

From: Chan, Christina
Sent: Thursday, January 27, 2005 3:14 PM
To: Swope, Sheridan; STIC-Biotech/ChemLib
Subject: RE: 09/771,161

Please rush. Thanks Chris

Chris Chan

TC 1600 New Hire Training Coordinator and SPE 1644
(571)-272-0841
Remsen, 3E89

-----Original Message-----

From: Swope, Sheridan
Sent: Thursday, January 27, 2005 3:05 PM
To: Chan, Christina
Subject: 09/771,161

Chris, May I have this rushed?

For 09/771,161, pls INTERFERENCE search:

SID 2 against the NT and AA data bases.

SID 93 against the NT and AA data bases.

Sheridan Swope, Ph.D.
Patent Examiner, AU 1652
Recombinant Enzymes
571-272-0943 (voice)
E02B71 Remsen Bld (Office)
E02C70 Remsen Bld (Mailbox)

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Edmond
Holt

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Searcher: _____
Searcher Phone: 2- _____
Date Searcher Picked up: 1/28/05
Date Completed: 2/7/05
Searcher Prep/Rev. Time: _____
Online Time: _____

Type of Search: 1+1- Reverse to
NA Sequence: # 1+1- Reverse to
AA Sequence: # 1+1- Reverse to
Structure: # NA
Bibliographic: _____
Litigation: _____
Patent Family: _____
Other: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: 24/02
WWW/Internet: _____
Other(Specify): _____

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GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model
Run on: January 28, 2005, 11:42:11 ; Search time 48 Seconds
(without alignments)
4611.864 Million cell updates/sec

Title: US-09-771-161A-2
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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0
Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 956278
Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents AA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1182	41.0	478	US-09-069-023-4	Sequence 4, Appli
3	1182	41.0	530	US-09-069-023-3	Sequence 3, Appli
4	1182	41.0	531	US-09-069-023-1	Sequence 1, Appli
5	1182	41.0	540	US-09-069-023-27	Sequence 27, Appli
6	1182	41.0	540	US-09-345-473E-28	Sequence 28, Appli
7	1176	40.8	540	US-09-019-942-1	Sequence 1, Appli
8	1176	40.8	540	US-09-099-041A-2	Sequence 2, Appli
9	1176	40.8	540	US-09-245-281-2	Sequence 1, Appli
10	1176	40.8	540	US-09-470-271-1	Sequence 2, Appli
11	1176	40.8	540	US-09-207-359B-2	Sequence 2, Appli
12	1176	40.8	540	US-09-340-620A-2	Sequence 2, Appli

13	1176	40.8	540	4	US-09-865-364-2	Sequence 2, Appli
14	1176	40.8	540	4	US-09-748-537-1	Sequence 1, Appli
15	867	30.1	167	3	US-09-069-023-6	Sequence 6, Appli
16	632	21.9	131	3	US-09-099-041A-5	Sequence 5, Appli
17	632	21.9	131	3	US-09-245-281-5	Sequence 5, Appli
18	632	21.9	131	3	US-09-207-359B-5	Sequence 5, Appli
19	632	21.9	131	4	US-09-340-620A-5	Sequence 5, Appli
20	632	21.9	131	4	US-09-865-364-5	Sequence 5, Appli
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26	451	15.7	90	4	US-09-841-879B-10	Sequence 10, Appli
27	149.5	5.2	109	4	US-09-340-620A-71	Sequence 71, Appli
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29	122.5	4.3	164	3	US-09-245-281-41	Sequence 41, Appli
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32	122.5	4.3	164	4	US-09-865-364-41	Sequence 41, Appli
33	122.5	4.3	249	3	US-09-245-281-39	Sequence 39, Appli
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37	122.5	4.3	409	4	US-09-207-359B-46	Sequence 46, Appli
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40	122.5	4.3	953	3	US-09-245-281-8	Sequence 8, Appli
41	122.5	4.3	953	4	US-09-207-359B-8	Sequence 8, Appli
42	122.5	4.3	953	4	US-09-340-620A-8	Sequence 8, Appli
43	122.5	4.3	953	4	US-09-865-364-8	Sequence 8, Appli
44	119	4.1	100	3	US-09-099-041A-10	Sequence 10, Appli
45	119	4.1	100	3	US-09-245-281-10	Sequence 10, Appli

ALIGNMENTS

RESULT 1
US-09-069-023-5
; Sequence 5: Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-069-023-5

Alignment Scores:
Pred. No.: 7.91e-132 Length: 284
Score: 1182.00 Matches: 227
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.56% Mismatches: 0
Query Match: 41.04% Indels: 0
DB: 3 Gaps: 0

US-09-771-161A-2 (1-1669) x US-09-069-023-5 (1-284)

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QY 452 GAAATAGTGGTCTCTGAACTTCAAGTCCCTCCAGCTCTCTCAAGACAAATGATTTT 511
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QY 512 TTATCTAGAAAGCTCAAGACTGTTATTTATGAAGCTGCATCAGTCTGCTGGAATCAC 571
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Db 277 AsnLeuLeuGlnAsnLysSerMet 284

RESULT 2

US-09-069-023-4
; Sequence 4, Application US/09069023A
; Patent No. 6348573

; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel

; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS

; FILE REFERENCE: UM-0333

; CURRENT APPLICATION NUMBER: US/09/069,023A

; CURRENT FILING DATE: 1998-04-27

; NUMBER OF SEQ ID NOS: 38

; SOFTWARE: Patent in Ver. 2.0

; SEQ ID NO 4

; LENGTH: 478

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-069-023-4

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Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.56% Mismatches: 0
Query Match: 41.04% Indels: 0
DB: 3 Gaps: 0

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Db 271 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerGlnLeuHis 290
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RESULT 3

US-09-069-023-3

; Sequence 3, Application US/09069023A

; Patent No. 6348573

; GENERAL INFORMATION:

; APPLICANT: Nunez, Gabriel

; APPLICANT: Inohara, Naohiro

; APPLICANT: Koseki, Takeyoshi

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS

; FILE REFERENCE: UM-0333

; CURRENT APPLICATION NUMBER: US/09/069,023A

; CURRENT FILING DATE: 1998-04-27

; NUMBER OF SEQ ID NOS: 38

; SOFTWARE: Patent in Ver. 2.0

; SEQ ID NO 3

; LENGTH: 530

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-069-023-3

Alignment Scores:

Pred. No.: 1.09e-131 Length: 530
Score: 1182.00 Matches: 227

Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.56% Mismatches: 0
Query Match: 41.04% Indels: 0
DB: 3 Gaps: 0

US-09-771-161A-2 (1-1669) x US-09-069-023-3 (1-530)

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QY 512 TTATCTAGAAAGCTCAAGACTGTATTTTATGAAGCTGCATCACTGCTCGAAATCAC 571
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QY 992 AATTTACTTCAAAATAAAGCATG 1015
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RESULT 4

US-09-069-023-1
; Sequence 1, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Koseki, Takeyoshi
; APPLICANT: Inohara, Naohiro
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; FILE REFERENCE: UM-03333
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 531
; TYPE: PRT

ORGANISM: Homo sapiens
US-09-069-023-1

Alignment Scores:
Pred. No.: 1,09e-131 Length: 531
Score: 1182.00 Matches: 227
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.56% Mismatches: 0
Query Match: 41.04% Indels: 0
DB: 3 Gaps: 0

US-09-771-161A-2 (1-1669) x US-09-069-023-1 (1-531)

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QY 392 CTGAACATACCTGTAATCATGTGTCACAGAGGAATCATGTGATCTCTAGTCCAT 451
Db 324 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerGlnLeuHis 343

QY 452 GAAATAGTGGTCTCTCAAGTCTCAAGTCCCTCCAGCTCTCAAGACATGATTTT 511
Db 344 GluAsnSerGlySerProGlnThrSerArgSerLeuProAlaProGlnAspAsnApphe 363

QY 512 TTATCTAGAAAGCTCAAGACTGTATTTTATGAAGCTGCATCACTGCTCGAAATCAC 571
Db 364 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 383

QY 572 AGTTGGATAGACCACTTCTCGATCTCAAGGGCTGCATCTGTGATCACAAGACCAT 631
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QY 632 CCATGCTCTTCACATAATAATCACTCTCAACTGCAGGAACTCAGAACCTCTGCAG 691
Db 404 ProCysSerSerAlaIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 423

QY 692 CTGTGTATAGCCAGAGTGGATCCAGAGCAAAAGGGAAGACATTTGTAACCAATGACA 751
Db 424 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 443

QY 752 GAAGCTGCTTAAACAGTCGTAGATGCCCTTCTGTCCAGGACTTGATCATGAAGAG 811
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QY 992 AATTTACTTCAAAATAAAGCATG 1015
Db 524 AsnLeuLeuGlnAsnLysSerMet 531
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RESULT 5

US-09-069-023-27
; Sequence 27, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A

Patent No. 6033855
GENERAL INFORMATION:
APPLICANT: Bertin, John
TITLE OF INVENTION: GENES ENCODING CASPASE RECRUITMENT
DOMAIN POLYPEPTIDES
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: Windows 95
SOFTWARE: FASTSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,942
FILING DATE: 06-FEB-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Meiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 07334/068001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 540 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-019-942-1

Alignment Scores:
Pred. No.: 5,7e-131 Length: 540
Score: 1176.00 Matches: 226
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Best Local Similarity: 99.12% Mismatches: 1
Query Match: 40.83% Indels: 0
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US-09-771-161A-2 (1-1669) x US-09-019-942-1 (1-540)

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Db 333 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerGlnLeuHis 352
QY 452 GAAATAGTGGTTCCTGAACTTCAAGTCCCTGCCAGCTCCTCAAGACAAATGATTTT 511
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QY 512 TTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGCTGCATCAGCTGCTGGAATCAC 571
Db 373 LeuSerArgLysAlaGlnAspCysTyrPheMeLysLeuHisCysProGlyAsnHis 392
QY 572 AGTTGGATAGCACCATTCTGGATCTCAAAGGGCTGCATTCTGTGATCACAGACCAT 631
Db 393 SerTyrAspSerThrIleSerGlySerGlnArgAlaPheCysAspHisLysThrIle 412
QY 632 CAGTCTCTTCAGCAATATAAATCCACTCTCACTGCGAGGAACCTCAGAACGCTCGAG 691
Db 413 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 432
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QY 692 CTTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTCTGAACCAATGACA 751
Db 433 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgLysAlaIleValAsnGlnMetThr 452
QY 752 GAAGCCTGCTTAACCAAGTCGCTAGATGCCCTTCTGTCCAGGACTTGATCATGAAAGAG 811
Db 453 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 472
QY 812 GACTATGAACCTTTAGTAGTACCAAGCTTACAGGACCTCAAAAGTACAGCAATTTACTAGAC 871
Db 473 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 492
QY 872 ACTTACTGACATCCAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATAAC 931
Db 493 ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 512
QY 932 AAACAAATGGTCTTCAGCCTTACCCGGAATACTTGTGGTTTCTAGATCACCATCTTTA 991
Db 513 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 532
QY 992 AATTTACTTCAAAATAAAGCATG 1015
Db 533 AsnLeuLeuGlnAsnLysSerMet 540
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RESULT 8

US-09-099-041A-2
Sequence 2, Application US/09099041A
Patent No. 6340576
GENERAL INFORMATION:
APPLICANT: Bertin, John
TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: 07334-076001
CURRENT APPLICATION NUMBER: US/09/099,041A
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 09/019,942
PRIOR FILING DATE: 1998-02-06
NUMBER OF SEQ ID NOS: 37
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 540
TYPE: PRP
ORGANISM: Homo sapiens
US-09-099-041A-2

Alignment Scores:
Pred. No.: 5,7e-131 Length: 540
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 40.83% Indels: 0
DB: 3 Gaps: 0

US-09-771-161A-2 (1-1669) x US-09-099-041A-2 (1-540)

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QY 332 CAGTTACAGAGTGTTCAGTGCCTTACCTATGTGACAAAGAGAAATGGAATTATCT 391
Db 313 LysLeuGlnSerValSerSerAlaIleHisLeuCyAspLysLysMetGluLeuSer 332
QY 392 CTGAACATACCTGTAATCATGTGCCAAGAGGAATCATGTGGATCCTCTCAGCTCCAT 451
Db 333 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerGlnLeuHis 352
QY 452 GAAATAGTGGTTCCTGAACTTCAAGTCCCTGCCAGCTCCTCAAGACAAATGATTTT 511
Db 353 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 372
QY 512 TTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGCTGCATCAGCTGCTGGAATCAC 571
Db 373 LeuSerArgLysAlaGlnAspCysTyrPheMeLysLeuHisCysProGlyAsnHis 392
QY 572 AGTTGGATAGCACCATTCTGGATCTCAAAGGGCTGCATTCTGTGATCACAGACCAT 631
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Db 393 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrIle 412
QY 632 CCATGCTCTTCAGCAATAATAATCACTCTCAACTGCAGGAAACTCAGAACGTCGCAG 691
Db 413 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 432
QY 692 CTGGTATAGCCACGAGTGGATCCAGAGCAAAAGGAAGACATTTGTGAACCAAAATGACA 751
Db 433 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 452
QY 752 GAAGCTGCTTAACCAAGTCGATGCTTCTCTCCAGGACTTGCATCATGAAAGAG 811
Db 453 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 472
QY 812 GACTATGAATCTGTAGTACCAAGCCTCAAGGACCTCAAAAGTCCAGACAAATTTACTAGAC 871
Db 473 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 492
QY 872 ACTACTGACATCAAGGAGAAATTTGCCAAAGTTATAGTACAAAAATTTGAAAGATAC 931
Db 493 ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 512
QY 932 AAACAATGGCTTCCAGCCTTACCGGAAATACTTGTGTTTCTAGATCACCATCTTTA 991
Db 513 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 532
QY 992 AATTACTTCAAAATAAAAGCATG 1015
Db 533 AsnLeuLeuGlnAsnLysSerMet 540

RESULT 9

US-09-245-281-2
; Sequence 2, Application US/09245281
; Patent No. 6369196
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY
; FILE REFERENCE: 07334/118001
; CURRENT APPLICATION NUMBER: US/09/245,281
; EARLIER FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: US 09/207,359
; EARLIER FILING DATE: 1998-12-08
; EARLIER APPLICATION NUMBER: US 09/099,041
; EARLIER FILING DATE: 1998-06-17
; EARLIER APPLICATION NUMBER: US 09/019,942
; EARLIER FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-245-281-2

Alignment Scores:
Pred. No.: 57e-131 Length: 540
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 40.83% Indels: 0
DB: 3 Gaps: 0

US-09-771-161a-2 (1-1669) x US-09-245-281-2 (1-540)

QY 332 CAGTTACAGAGTGTTCAGTGCCATTCACCTATGTGACAGAAAGAAATGGAATATCT 391
Db 313 LysLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 332
QY 392 CTGAACATCTGTAAATCATGTCGACAGAGAAATCATGTGATCTCTCAGCTCCAT 451
Db 333 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerGlnLeuHis 352

QY 452 GAAATAGTGTCTCTCTGAAACTTCAAGTCCCTGCAGCTCCTCAAGCAATGATTTT 511
Db 353 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAspPhe 372
QY 512 TTATCTAGAAAGCTCAAGACTGTTATTTATGAAGCTGCATCACTGTCTCTGGAAATCAC 571
Db 373 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 392
QY 572 AGTTGGGATACACCATTTCTGGATCTCAAGGCTGCATTTCTGTGATCACAAGCCACT 631
Db 393 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrIle 412
QY 632 CCATGCTCTTCAGCAATAATAATCACTCTCAACTGCAGGAAACTCAGAACGTCGCAG 691
Db 413 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 432
QY 692 CTGGTATAGCCACGAGTGGATCCAGAGCAAAAGGAAGACATTTGTGAACCAAAATGACA 751
Db 433 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 452
QY 752 GAAGCTGCTTAAACCAAGTCGATGCTTCTCTCCAGGACTTGCATCATGAAAGAG 811
Db 453 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 472
QY 812 GACTATGAATCTGTAGTACCAAGCCTCAAGGACCTCAAAAGTCCAGACAAATTTACTAGAC 871
Db 473 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 492
QY 872 ACTACTGACATCAAGGAGAAATTTGCCAAAGTTATAGTACAAAAATTTGAAAGATAC 931
Db 493 ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 512
QY 932 AAACAATGGCTTTCAGCCTTACCGGAAATACTTGTGTTTCTAGATCACCATCTTTA 991
Db 513 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 532
QY 992 AATTACTTCAAAATAAAAGCATG 1015
Db 533 AsnLeuLeuGlnAsnLysSerMet 540

RESULT 10

US-09-470-271-1
; Sequence 1, Application US/09470271
; Patent No. 6410689
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: GENES ENCODING CASPASE RECRUITMENT
; TITLE OF INVENTION: DOMAIN POLYPEPTIDES
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/470,271
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/019,942
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/068001
; TELECOMMUNICATION INFORMATION:

TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 540 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-470-271-1

Alignment Scores:
Pred. No.: 5,7e-131 Length: 540
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 40.83% Indels: 0
DB: 4 Gaps: 0

US-09-771-161A-2 (1-1669) x US-09-470-271-1 (1-540)

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QY 332 CAGTTACAGAGTGTTCCTCAAGTCCCATTCACCTATGTGACAAAGAAATGGAATATCT 391
Db 313 LysLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 332
QY 392 CTGAACATACCTGTAATCATGTCTCACAAGAGCAATCATGTGCATCCTCTCAGCTCCAT 451
Db 333 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 352
QY 452 GAAATAGTGGTTCCTCAAACTTCAAGTCCCTCCAGTCTCTCAAGACAAATGATTTT 511
Db 353 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAspPhe 372
QY 512 TTATCTAGAAAGCTCAAGACTGTATTTATGAAGCTGCATCTCTCAAGACAAATGATTTT 571
Db 373 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 392
QY 572 AGTTGGGATAGACCACTTCTCGATCTCAAGGGCTGCATTTCTGTATCACAAGACCACT 631
Db 393 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrIle 412
QY 632 CCATGCTCTTACAGCAATAATAATCCACTCTCAACTGCGAGGAACTCAGAACGCTGCGAG 691
Db 413 ProCysSerSerAlaIleAlaAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 432
QY 692 CCTGGTATAGCCAGAGTGGATCCAGACCAAGGGAAGACATTTGTGACCAAAATGACA 751
Db 433 ProGlyIleAlaGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 452
QY 752 GAAGCTGCTTAACAGTCGCTAGATGCCCTTCTGTCCAGGACTTGATCATGAAGAG 811
Db 453 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 472
QY 812 GACTATGAATGTTAGTACCAAGCTTCAAGACCTCAAAAGTTCAGACAAATTTACTAGAC 871
Db 473 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 492
QY 872 ACTACTGACATCAAGAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAAC 931
Db 493 ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 512
QY 932 AAACAAATGGGCTTTCAGCCTTACCCGGAATACTTGTGTTTCTAGATCACCATTCTTTA 991
Db 513 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 532
QY 992 AATTACTTCAAAATAAAGCATG 1015
Db 533 AsnLeuLeuGlnAsnLysSerMet 540
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RESULT 11

US-09-207-359B-2
Sequence 2, Application US/09207359B
Patent No. 6469140

GENERAL INFORMATION:
APPLICANT: Bertin, John
TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: 07334-112001
CURRENT APPLICATION NUMBER: US/09/207,359B
CURRENT FILING DATE: 1998-12-08
PRIOR APPLICATION NUMBER: US/09/099,041
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: US/09/019,942
PRIOR FILING DATE: 1998-02-06
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 540
TYPE: PRT
ORGANISM: Homo sapiens
US-09-207-359B-2

Alignment Scores:

Pred. No.: 5,7e-131 Length: 540
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 40.83% Indels: 0
DB: 4 Gaps: 0

US-09-771-161A-2 (1-1669) x US-09-207-359B-2 (1-540)

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QY 332 CAGTTACAGAGTGTTCCTCAAGTCCCATTCACCTATGTGACAAAGAAATGGAATATCT 391
Db 313 LysLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 332
QY 392 CTGAACATACCTGTAATCATGTCTCACAAGAGCAATCATGTGCATCCTCTCAGCTCCAT 451
Db 333 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 352
QY 452 GAAATAGTGGTTCCTCAAACTTCAAGTCCCTCCAGTCTCTCAAGACAAATGATTTT 511
Db 353 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAspPhe 372
QY 512 TTATCTAGAAAGCTCAAGACTGTATTTATGAAGCTGCATCTCTCAAGACAAATGATTTT 571
Db 373 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 392
QY 572 AGTTGGGATAGACCACTTCTCGATCTCAAGGGCTGCATTTCTGTATCACAAGACCACT 631
Db 393 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrIle 412
QY 632 CCATGCTCTTACAGCAATAATAATCCACTCTCAACTGCGAGGAACTCAGAACGCTGCGAG 691
Db 413 ProCysSerSerAlaIleAlaAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 432
QY 692 CCTGGTATAGCCAGAGTGGATCCAGACCAAGGGAAGACATTTGTGACCAAAATGACA 751
Db 433 ProGlyIleAlaGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 452
QY 752 GAAGCTGCTTAACAGTCGCTAGATGCCCTTCTGTCCAGGACTTGATCATGAAGAG 811
Db 453 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 472
QY 812 GACTATGAATGTTAGTACCAAGCTTCAAGACCTCAAAAGTTCAGACAAATTTACTAGAC 871
Db 473 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 492
QY 872 ACTACTGACATCAAGAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAAC 931
Db 493 ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 512
QY 932 AAACAAATGGGCTTTCAGCCTTACCCGGAATACTTGTGTTTCTAGATCACCATTCTTTA 991
Db 513 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 532
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Qy	692	CTGGTATATGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTGTGAACCAATGACA	751
Db	433	ProGlyIleAlaGlnInTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr	452
Qy	752	GRAGCCTGCCTTAACCAAGTCGCTAGATGCCCTTCTGTCCAGGACCTTGATCATGAAAGAG	811
Db	453	GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu	472
Qy	812	GACTATGAACTTGTTAGTACCAAGCCTCACAGGACCTCAAAGTCACACAAATTACTAGAC	871
Db	473	AspIlyGluLeuValSerThrLys8ProThrArgThrSerLysValArgGlnLeuLeuAsp	492
Qy	872	ACTACTGCATCCAAAGGAGAAATTTGCCAAAGTTATTAGTACAAAAATTGAAAGATAAC	931
Db	493	ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn	512
Qy	932	AAACAAATGGGTCTTCAGCCTTTACCCGGAATACTGTGTGGTTCTTAGATCACCATCTTTA	991
Db	513	LysGlnMetGlyLeuGlnProTyrProGluIleValSerArgSerProSerLeu	532
Qy	992	AATTTACTTCAAAATAAAGCATG	1015
Db	533	AsnLeuLeuGlnAsnLysSerMet	540

RESULT 14
US-09-748-537-1
: Sequence 1, Application US/09748537
: Patent No. 6680167
: GENERAL INFORMATION:
: APPLICANT: Bertin, John
: APPLICANT: Chao, Moses V.
: TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILIE AND USES THERE
: FILE REFERENCE: 07334-316001
: CURRENT APPLICATION NUMBER: US/09/748,537
: CURRENT FILING DATE: 2000-12-26
: PRIOR APPLICATION NUMBER: US 09/099, 041
: PRIOR FILING DATE: 1998-06-17
: PRIOR APPLICATION NUMBER: US 09/019,942
: PRIOR FILING DATE: 1998-02-06
: NUMBER OF SEQ ID NOS: 14
: SOFTWARE: FastSEQ for Windows Version 4.0
: SEQ ID NO 1
: LENGTH: 540
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-748-537-1

Alignment Scores:				
Pred. No.:	5,7e-131	Length:	540	
Score:	1176.00	Matches:	226	
Percent Similarity:	99.56%	Conservative:	1	
Best Local Similarity:	99.12%	Mismatches:	1	
Query Match:	40.83%	Indels:	0	
DB:	4	Gaps:	0	
US-09-771-161A-2 (1-1669) x US-09-748-537-1 (1-540)				

Qy	332	CAGTTACAGAGTGTTC	CAAGTCGCCATT	CACCTATGTGAC	CAAGAAAAAT	TATCT	391		
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Db	313	LYsLeuGlnSer	ValSerSerAla	IleHisLeu	CysAsp	LYsLYsMetGluLeuSer	332		
Qy	392	CTGAACATACCTG	TAAATCATG	TGGTCCCA	CAAGGGAATCAT	GTGATCCTCT	CAAGCTCCAT	451	
Db	333	LeuAbnIlepro	ValAsnHisGly	ProGlnGlu	GlusSerCys	GlySerSerGlnLeuHis	352		
Qy	452	GA AAAATAGTGGT	TCTCTCTGAA	ACTTTC	CAAGGTCCT	CGCAGCTCCT	CAAGACAATGATTTT	511	
Db	353	GluAsnSerGlySer	ProGluThrSer	ArgSerLeu	ProAlaPro	GlnAspAsnAspPhe	372		
Qy	512	TTATCTAGAAA	AGCTCA	GACTGT	TATTTTAT	TGAAGCTG	CACTACTCTCTCG	AAATCAAC	571
Db	373	LeuSerArgLYsAla	adIAspCys	TyrPhe	MetLYsLeuHis	HisCys	ProGlyAsnHis	392	

QY	572	AGTTGGGATAGCACCATTCTCGATCTCAAAGGGCTGCATCTCTGTGATCACAAGACCACT	631
Db	393	SerTrpaspSerThrIleSerGlySerGlnargAlaAlaPheCysAspHisLysThrIle	412
QY	632	CCATGCTCTTCAGCAATAATAATCCACTCTCAACTGCAGGAAACTCAGAAAGTCTGCGAG	691
Db	413	ProCysSerSerAlaIleIleAsnProIeuSerThrAlaGlyAsnSerGluargIeuGln	432
QY	692	CCTCGTATAGCCCGACGAGTGCATCAGAGCAAAAGGGAAGACATTGTGAACCAAAATGACA	751
Db	433	ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr	452
QY	752	GAAGCTGCTTAACCACTGCTAGATCCCTCTGTCACGGCACTTGATCATGAAGAG	811
Db	453	GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu	472
QY	812	GACTATGAACCTGTGTAGTACCAGGCTCAAGGACCTCAAAGTCAGACAAATTACTAGAC	871
Db	473	AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp	492
QY	872	ACTACTGCATCCAAGGAGAAGAATTTCGCAAGTTTATAGTACAAAATTGAAAGATAAC	931
Db	493	ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn	512
QY	932	AAACAAATGGGTCTTCAGCCCTTACC CGGAATACATTGTGGTTTCTTAGATCCACCATCTTTA	991
Db	513	LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu	532
QY	992	AATTTACTTCAAAATAAAGCATG	1015
Db	533	AsnLeuLeuGlnAsnLysSerMet	540

RESULT 15
US-09-069-023-6
; Sequence 6, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: UM-01333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0

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; SEQ ID NO 6
; LENGTH: 167
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-069-023-6

Alignment Scores:
Pred. NO.: 2.19e-94
Score: 867.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 30.10%
DB: 3
Length: 167
Matches: 167
Conservative: 0
Mismatches: 0
Indels: 0
Gaps: 0

US-09-771-161A-2 (1-1669) x US-09-069-023-6 (1-167)

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Qy	515	TCTAGAAAAGCTCAAGACTGTTATTATTATGAAAGCTGCGATCACTGTCTCTGGAAATACACAGT	574
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Qy	575	TGGATAGCACCACTTTCTGGATCTCAAAAGGCTGCACTTCTGTGATCACAAGACCACCTCCA	634
Db	21	TrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThrPro	40
Qy	635	TGCTCTTCAGCAATAATAAATATCCACTCTCAACTGCGAGAAACCTCAGAAACGCTCTGAGCGCT	694

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Db      41 CysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGlnPro 60
QY      695 GGTATAGCCAGCAGTGGATCCAGACCAAGAGGAGACATTGTGNAACCAATGACAGAA 754
Db      61 GlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThrGlu 80
QY      755 GCTGCTTTAAACAGTCGCTAGATGCCCTTCTGTCAGGGACTTGATCATGAAAGAGGAC 814
Db      81 AlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleWetLysGluAsp 100
QY      815 TATGAACCTTGTAGTACCAGCCTACAGGACCTCAAAAGTCAGACAATTACTAGACACT 874
Db      101 TyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAspThr 120
QY      875 ACTGACATCCAAGGAGAGAAGAAATTGCCAAAGTTATAGTACAAAATTGAAAGATACAAA 934
Db      121 ThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsnLys 140
QY      935 CAAATGGGCTTCAGCCTTACCCGGAATACTTGTGGTTTCTAGATCACCATCTTTAAAT 994
Db      141 GlnMetGlyLeuGlnProLysProGluIleLeuValSerArgSerProSerLeuAsn 160
QY      995 TTACTTCAAAATAAAGCATG 1015
Db      161 LeuLeuGlnAsnLysSerMet 167
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Search completed: January 28, 2005, 12:37:38
Job time : 66 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 31, 2005, 22:16:24 ; Search time 164 Seconds
(without alignments)
7233.577 Million cell updates/sec

Title: US-09-771-161A-2
Perfect score: 1669
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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 35539441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/ptodata/1/ina/5A COMB.seq.*
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5: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfilesi.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1308	78.4	2501	4	US-09-920-663-3
2	1308	78.4	2502	3	US-09-069-023-2
3	731.8	43.8	1931	3	US-09-019-942-2
4	731.8	43.8	1931	3	US-09-099-041A-1
5	731.8	43.8	1931	3	US-09-245-281-1
6	731.8	43.8	1931	4	US-09-470-271-2
7	731.8	43.8	1931	4	US-09-207-359B-1
8	731.8	43.8	1931	4	US-09-340-620A-1
9	731.8	43.8	1931	4	US-09-865-364-1
10	731.8	43.8	1931	4	US-09-748-537-2
11	695.4	41.7	1060	3	US-09-023-655-684
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14	681.8	40.9	1620	4	US-09-207-359B-3
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16	681.8	40.9	1620	4	US-09-865-364-3
17	54.2	3.2	19124	2	US-08-487-826B-13
18	52.8	3.2	20674	4	US-09-641-638-651
19	52.8	3.2	20674	4	US-10-170-097-651
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21	51.2	3.1	1141	4	US-09-806-708B-22
22	50.4	3.0	832	4	US-09-621-976-2813
23	48	2.9	6152	3	US-08-973-462-1
24	48	2.9	6156	4	US-10-204-708-60
25	47.8	2.9	6583	4	US-10-204-708-25
26	47.6	2.9	396	4	US-09-640-173-53
27	47.6	2.9	396	4	US-09-713-550-53

28	47.6	2.9	396	4	US-09-825-294-53	Sequence 53, Appl
29	47.6	2.9	396	4	US-09-970-966-53	Sequence 53, Appl
30	47.6	2.9	834	3	US-08-998-416-305	Sequence 305, App
31	47.6	2.9	10144	4	US-10-204-708-93	Sequence 93, Appl
32	47.4	2.8	1055	4	US-09-806-708B-23	Sequence 23, Appl
33	47.4	2.8	5610	4	US-10-204-708-54	Sequence 54, Appl
34	47.4	2.8	5852	1	US-07-867-106-2	Sequence 2, Appli
35	47.4	2.8	640681	4	US-09-790-988-1	Sequence 1, Appli
36	47	2.8	640681	4	US-09-790-988-1	Sequence 1, Appli
37	46.4	2.8	1055	4	US-09-806-708B-23	Sequence 23, Appl
38	46.2	2.8	474	4	US-09-621-976-18033	Sequence 18033, A
39	46	2.8	5662	4	US-10-204-708-63	Sequence 63, Appl
40	45.8	2.7	701	3	US-08-998-416-701	Sequence 701, App
41	45.8	2.7	832	4	US-09-621-976-2813	Sequence 2813, Ap
42	45.8	2.7	6669	4	US-10-204-708-6	Sequence 6, Appli
43	45.8	2.7	8920	2	US-08-446-855A-1	Sequence 1, Appli
44	45.8	2.7	8920	2	US-09-150-741-1	Sequence 1, Appli
45	45.8	2.7	9347	4	US-10-204-708-35	Sequence 35, Appl

ALIGNMENTS

RESULT 1

US-09-920-663-3
; Sequence 3, Application US/09920663
; Patent No. 6426221
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF RIP2 EXPRESSION
; FILE REFERENCE: RTS-0233
; CURRENT APPLICATION NUMBER: US/09/920,663
; CURRENT FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 3
; LENGTH: 2501
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (225)...(1847)
US-09-920-663-3

Query Match	78.4%	Score 1308;	DB 4;	Length 2501;
Best Local Similarity	99.0%;	Pred. No. 4.8e-302;		
Matches 1329;	Conservative 0;	Mismatches 5;	Indels 8;	Gaps 1;
QY	331	ACAGTTACAGAGTGTTC	CAAGTGC	CAATTCACCTATGTGACAGAGAAATGGAATTATC 390
Db	1160	AAAGTTACAGAGTGTTC	CAAGTGC	CAATTCACCTATGTGACAGAGAAATGGAATTATC 1219
QY	391	TCGAAACATACCTGTAAATCAT	TGGTCC	CAAGAGGAATCATGTGGATTCCTCTCAGCTCCA 450
Db	1220	TCGAAACATACCTGTAAATCAT	TGGTCC	CAAGAGGAATCATGTGGATTCCTCTCAGCTCCA 1279
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Db	1280	TGAAATAGTGTTCCTCGAACTT	CAAGTCC	CGCTCCAGGCTCCCTCAAGACAAATGATTT 1339
QY	511	TTTATCTAGAAAGCTCAAGACT	GTGTTAT	TTTATTTATGAAGCTGCATCACTGTCTCGAAATCA 570
Db	1340	TTTATCTAGAAAGCTCAAGACT	GTGTTAT	TTTATTTATGAAGCTGCATCACTGTCTCGAAATCA 1399
QY	571	CAGTTGGGATAGACCAATTTCT	TGGATCT	CAAGGGCTGCAATCTCTGTGATCAAGACCAC 630
Db	1400	CAGTTGGGATAGACCAATTTCT	TGGATCT	CAAGGGCTGCAATCTCTGTGATCAAGACCAC 1459
QY	631	TCATGCTCTTCAGCAATTAAT	TCCACTCT	CAACTCAGGAACTCAGAACTGTGCA 690
Db	1460	TCATGCTCTTCAGCAATTAAT	TCCACTCT	CAACTCAGGAACTCAGAACTGTGCA 1519
QY	691	GCTGTGTATAGCCAGCAGTGG	ATCCAG	AGCAAAAGGAAGACATTGTGTAACCAATGAC 750

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Db 1520 GCCTGTTATAGCCAGCAGTGGATCCAGAGCAAAAGGAGACATTTGTACCAATGAC 1579
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Db 1580 AGAAGCCTGCTTAAACAGTCGCTAGATGCCCTTCTGTCAGGACCTTGTATCATGAAGA 1639
Qy 811 GGACTATGAATGTTAGTACCAAGCCTCAAGGACCTCAAAAGTCAAGCAATTAATAC 870
Db 1640 GGACTATGAATGTTAGTACCAAGCCTCAAGGACCTCAAAAGTCAAGCAATTAATAC 1699
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Db 1700 CACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAATAATGAAGATAA 1759
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Db 1880 AAAGGATATTTATATCTCTGTTGCTTGGACTTTTTTATATAAAATCCGTGAGTATTA 1939
Qy 1111 AGCTTTATTTGAAGTCTTGGTAAATATTTAGTCTCCCTCAAGCATCTGAGTATTTT 1170
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Qy 1283 GTGCCCTTAAGTATGATGATTTCTGATGAAGCCATTTTCAATTCATGTTCTTCATGG 1342
Db 2120 GTGCCCTTAAGTATGATGATTTCTGATGAAGCCATTTTCAATTCATGTTCTTCATGG 2179
Qy 1343 ATTAATTTGTTACTTGTCTAAGATGCAATTTGATTTTATGAAGTATATACCTTTACCCAC 1402
Db 2180 ATTAATTTGTTACTTGTCTAAGATGCAATTTGATTTTATGAAGTATATACCTTTACCCAC 2239
Qy 1403 CAGAGACGTACAGAAATCCCTGCCCTTAAATCCAGGCTTAAATTTGCCCTTACAAAGGTTA 1462
Db 2240 CAGAGACGTACAGAAATCCCTGCCCTTAAATCCAGGCTTAAATTTGCCCTTACAAAGGTTA 2299
Qy 1463 TTAATTTAAACTCCATTTATAGGATTAATTTAAAGTATTTATTAAGATTTCCCTTTA 1522
Db 2300 TTAATTTAAACTCCATTTATAGGATTAATTTAAAGTATTTATTAAGATTTCCCTTTA 2359
Qy 1523 AAAATGATATTTCAAGGTTAAACCAATACAAATATAAGAAATAAATAATATTAATAC 1582
Db 2360 AAAATGATATTTCAAGGTTAAACCAATACAAATATAAGAAATAAATAATATTAATAC 2419
Qy 1583 CGGCTTCTGTCCCATTTTAACTTACCTTCCCTTCTGTCACCAACCAAGCTAA 1642
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Qy 1643 ATAAAGTCAACGCTGATGTG 1664
Db 2480 ATAAAGTCAACGCTGATGTG 2501
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RESULT 2

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US-09-069-023-2
; Sequence 2, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
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; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: UM-0333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 2502
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-069-023-2
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Query Match 78.4%; Score 1308; DB 3; Length 2502;

Best Local Similarity 99.0%; Pred. No. 4.8e-302;

Matches 1329; Conservative 0; Mismatches 5; Indels 8; Gaps 1;

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Db 1221 TCTGAACATACCTGTAATCATGTGCCACAGAGGAATCATGTGATCCTCTCAGCTCA 1280
Qy 451 TGAAATATAGTGGTTCCTCTGAAATTTCAAGGTCCCTGCCAGCTCCTCAAGACAATGATTT 510
Db 1281 TGAAATATAGTGGTTCCTCTGAAATTTCAAGGTCCCTGCCAGCTCCTCAAGACAATGATTT 1340
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Db 1401 CAGTTGGGATAGCACCATTTCTGGTTCCTCAAGGGCTGCATTTCTGTGATCAAGACCAC 1460
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Db 1521 GCCTGGTATAGCCAGCAGTGGATCCAGACAAAGGGAAGACATTTGGAACCAATGAC 1580
Qy 751 AGAAGCCTGCTTAAACAGTCCGCTAGATGCCCTTCTGTCCAGGGACTTGTATCATGAAGA 810
Db 1581 AGAAGCCTGCTTAAACAGTCCGCTAGATGCCCTTCTGTCCAGGGACTTGTATCATGAAGA 1640
Qy 811 GGACTATGAATGTTAGTACCAAGCCTCAAGGACCTCAAAAGTCAAGCAATTAATAC 870
Db 1641 GGACTATGAATGTTAGTACCAAGCCTCAAGGACCTCAAAAGTCAAGCAATTAATAC 1700
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Qy 991 AAATTTACTTCAAAATAAAGCATGTAAGTGAAGTCTTCTTCAAGAGAAATGTTTCAT 1050
Db 1821 AAATTTACTTCAAAATAAAGCATGTAAGTGAAGTCTTCTTCAAGAGAAATGTTTCAT 1880
Qy 1051 AAAAGGATATTTATATCTCTGTTGCTTGGACTTTTTTATATAAAATCCGTGAGTATTA 1110
Db 1881 AAAAGGATATTTATATCTCTGTTGCTTGGACTTTTTTATATAAAATCCGTGAGTATTA 1940
Qy 1111 AGCTTTATTTGAAGTCTTGGTAAATATTTAGTCTCCCTCAAGCATCTGAGTATTTT 1170
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Db 1941 AGCTTTATTAAGAGTTCTTTGGTAAATATTAGTCTCCCTCCATGACACTGCAGTATTT 2000
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Db TTTTAAATTAACAAGTAAAGTTGAATTTGGTGAATTTGTACATAGTTCAATTTT 2060
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Db ATGCTCTTTTGTAAACAGAAACCACTTTTAAAGGATAGTAATTTCTTTTAAACA 2120
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Db ATTATTTGTTTACCTGCTTAAGATGCAATTTGATTTTATGAAGTATATACCTTTTACCCAC 2240
QY CAGACAGTACAGAAATCCCTGCTTAAATCCAGGCTTAAATGCTTACAAAGGGTTA 1462
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Db TTAATTTAAACCTCAATTTATAGATACATTTTAAAGTTTATTTATGAATTTCCCTTTA 2360
QY AAAATGATATTTCAAAGGTAAACAATAACAATAAAGAAATAAATAATATATATAC 1582
Db AAAATGATATTTCAAAGGTAAACAATAACAATAAAGAAATAAATAATATATATAC 2420
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Db CGGCTTCTGTCCTCCCTTTTAACTCAGCTTCCCTTCTGTCACCAACCAAGCTAA 2480
QY ATAAAGTCAACGCTGATGTG 1664
Db ATAAAGTCAACGCTGATGTG 2502

RESULT 3
US-09-019-942-2
Sequence 2, Application US/09019942
Patent No. 6033855
GENERAL INFORMATION:
APPLICANT: Bertin, John
TITLE OF INVENTION: GENES ENCODING CASPASE RECRUITMENT
TITLE OF INVENTION: DOMAIN POLYPEPTIDES
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,942
FILING DATE: 06-FEB-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Meiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 07334/068001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070

TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1931 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-019-942-2
Query Match 43.8%; Score 731.8; DB 3; Length 1931;
Best Local Similarity 99.7%; Pred. No. 7.6e-165;
Matches 733; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 331 ACAGTTTACAGAGTGTGTTTCAAGTGCCATTTCACCTATGTGCAAGAAGAAATGGAATATC 390
Db 1149 AAGTTTACAGAGTGTGTTTCAAGTGCCATTTCACCTATGTGCAAGAAGAAATGGAATATC 1208
QY 391 TCTGAACATACCTGTAAATCATGGTCCCAAGAGGAATCATGTGGATCCTCTCAGCTCCA 450
Db 1209 TCTGAACATACCTGTAAATCATGGTCCCAAGAGGAATCATGTGGATCCTCTCAGCTCCA 1268
QY 451 TGAAATATAGTGTGTTCTCTGAAACTTCAAGGTCCCTGCCAGCTCCTCAAGACAAATGATTT 510
Db 1269 TGAAATATAGTGTGTTCTCTGAAACTTCAAGGTCCCTGCCAGCTCCTCAAGACAAATGATTT 1328
QY 511 TTTTACTAGAAAAGCTCAAGAGCTGTTTATTTTATGAAGCTGCATCTCTGTGATCACAAGACCA 570
Db 1329 TTTTACTAGAAAAGCTCAAGAGCTGTTTATTTTATGAAGCTGCATCTCTGTGATCACAAGACCA 1388
QY 571 CAGTTGGGATAGACACCATTTCTGGATCTCAAGGGCTGCATTTCTGTGATCACAAGACCA 630
Db 1389 CAGTTGGGATAGACACCATTTCTGGATCTCAAGGGCTGCATTTCTGTGATCACAAGACCA 1448
QY 631 TCCATGCTCTTTCAGCAATTAATAATCCACTCTCAACTGCGAGAAATCAGAGCTGTGCA 690
Db 1449 TCCATGCTCTTTCAGCAATTAATAATCCACTCTCAACTGCGAGAAATCAGAGCTGTGCA 1508
QY 691 GCCTGTATAGCCAGCAGTGGATCCAGAGCAAAAGGGAGACATTTGTGAACCAATGAC 750
Db 1509 GCCTGTATAGCCAGCAGTGGATCCAGAGCAAAAGGGAGACATTTGTGAACCAATGAC 1568
QY 751 AGAAGCTTCCCTTAAACCACTGCTAGATGCCCTTCTGTCCAGGACTTGCATCATGAAAGA 810
Db 1569 AGAAGCTTCCCTTAAACCACTGCTAGATGCCCTTCTGTCCAGGACTTGCATCATGAAAGA 1628
QY 811 GGACTATGAACCTTGTGTAGTACCAAGCCTCAAGGACCTCAAAAGTCAGACAAATTACTAGA 870
Db 1629 GGACTATGAACCTTGTGTAGTACCAAGCCTCAAGGACCTCAAAAGTCAGACAAATTACTAGA 1688
QY 871 CACTACTGCATCCCAAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATA 930
Db 1689 CACTACTGCATCCCAAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATA 1748
QY 931 CAAACAAATGGGTCTTTCAGCCTTACCCGGAATATCTGTGGTTTCTAGATCACCATCTTT 990
Db 1749 CAAACAAATGGGTCTTTCAGCCTTACCCGGAATATCTGTGGTTTCTAGATCACCATCTTT 1808
QY 991 AAATTTACTTCAAAATAAAGCATGTAAAGTGTGTTTCAAGAGAAATGTTGTTTCAT 1050
Db 1809 AAATTTACTTCAAAATAAAGCATGTAAAGTGTGTTTCAAGAGAAATGTTGTTTCAT 1868
QY 1051 AAAAGGATATTATA 1065
Db 1869 AAAAGGATATTATA 1883

RESULT 4
US-09-099-041A-1
Sequence 1, Application US/09099041A
Patent No. 6340576
GENERAL INFORMATION:

Db 1689 CACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAAATTGAAGATAA 1748
QY 931 CAAACAAATGGGTCTTCCAGCCTTACCCGGAATACTTTGTGGTTTCTAGATCACCCTTTT 990
Db 1749 CAAACAAATGGGTCTTCCAGCCTTACCCGGAATACTTTGTGGTTTCTAGATCACCCTTT 1808
QY 991 AAATTTACTTCAAAATAAAGACATGTAAGTGACTGTTTTCCTCAAGAGAAATGTTTTCAT 1050
Db 1809 AAATTTACTTCAAAATAAAGACATGTAAGTGACTGTTTTCCTCAAGAGAAATGTTTTCAT 1868
QY 1051 AAAAGGATATTATA 1065
Db 1869 AAAAGGATATTATA 1883

RESULT 6

US-09-470-271-2
; Sequence 2, Application US/09470271
; Patent No. 6410689
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: GENES ENCODING CASPASE RECRUITMENT
; TITLE OF INVENTION: DOMAIN POLYPEPTIDES
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/470,271
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/019,942
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/068001
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1931 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-470-271-2

Query Match 43.8%; Score 731.8; DB 4; Length 1931;
Best Local Similarity 99.7%; Pred. No. 7.6e-165;
Matches 733; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 331 ACAGTTACAGAGTGTTCAGAGTGCATTCACCTATGTGACAAAGAAATGGAATATC 390
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QY 391 TCTGAACATACCTGTAATCATGTCCACAAAGAGGAATCATGTGGATCCCTCTCAGCTCCA 450
Db 1209 TCTGAACATACCTGTAATCATGTCCACAAAGAGGAATCATGTGGATCCCTCTCAGCTCCA 1268
QY 451 TGAAGATAGTGGTTCTCCTCAAACTTCAAGGTCCTGCCAGCTCCTCAAGACAAATGATTT 510

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Db 1449 TCCATGCTCTTCAGCAATAATAATCCACTCTCAACTGCAGGAACTCAGAAAGCTGTGCA 1508
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Db 1509 GCCTGGTATAGCCCGCAGTGGATCCAGAGCAAAAGGAGAGACATTTGTGAACCAATGAC 1568
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Db 1629 GGAATATGAACCTTTAGTACCAAGCTCAAGGACTTCAAAAGTCAAGCAATTACTAGA 1688
QY 871 CACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAAATTGAAGATAA 930
Db 1689 CACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAAATTGAAGATAA 1748
QY 931 CAAACAAATGGGTCTTCCAGCCTTACCCGGAATACTTTGTGGTTTCTAGATCACCCTTT 990
Db 1749 CAAACAAATGGGTCTTCCAGCCTTACCCGGAATACTTTGTGGTTTCTAGATCACCCTTT 1808
QY 991 AAATTTACTTCAAAATAAAGACATGTAAGTGACTGTTTTCCTCAAGAGAAATGTTTTCAT 1050
Db 1809 AAATTTACTTCAAAATAAAGACATGTAAGTGACTGTTTTCCTCAAGAGAAATGTTTTCAT 1868
QY 1051 AAAAGGATATTATA 1065
Db 1869 AAAAGGATATTATA 1883

RESULT 7

US-09-207-359B-1
; Sequence 1, Application US/09207359B
; Patent No. 6469140
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 07334-112001
; CURRENT APPLICATION NUMBER: US/09/207,359B
; CURRENT FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (214)...(1833)
US-09-207-359B-1

Query Match 43.8%; Score 731.8; DB 4; Length 1931;
Best Local Similarity 99.7%; Pred. No. 7.6e-165;
Matches 733; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 331 ACAGTTACAGAGTGGTTTCAAGTGCCATTACCTATGTGACCAAGAGAAAATGGAATTATC 390
Db 1149 AAGATTACAGAGTGGTTTCAAGTGCCATTACCTATGTGACCAAGAGAAAATGGAATTATC 1208
QY 391 TCTGAACATACCTGTAAATCATGGTCCCAAGAGGAATCATGTGGATCTCTCAGCTCCA 450
Db 1209 TCTGAACATACCTGTAAATCATGGTCCCAAGAGGAATCATGTGGATCTCTCAGCTCCA 1268
QY 451 TGAATAATAGTGGTCTCTGAAATTCAGAGTCCCTGCGAGCTCCTCAAGACAATGATTT 510
Db 1269 TGAATAATAGTGGTCTCTGAAATTCAGAGTCCCTGCGAGCTCCTCAAGACAATGATTT 1328
QY 511 TTTATCTAGAAAAGCTCAAGACTGTTTATTTATGAAGCTGCATCACTGCTCGGAATCA 570
Db 1329 TTTATCTAGAAAAGCTCAAGACTGTTTATTTATGAAGCTGCATCACTGCTCGGAATCA 1388
QY 571 CAGTTGGGATAGCACCATTTCTGGATCTCAAGGGCTGCATCTGTGATCAAGACCAC 630
Db 1389 CAGTTGGGATAGCACCATTTCTGGATCTCAAGGGCTGCATCTGTGATCAAGACCAC 1448
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Db 1449 TCCATGCTCTTCAAGCAATTAATTCACCTCTCAATCTGAGGAACTCAGAACGCTGCA 1508
QY 691 GCCTGTATAGCCCAAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTAACCAATGAC 750
Db 1509 GCCTGTATAGCCCAAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTAACCAATGAC 1568
QY 751 AGAAGCTGCTTAAACAGTGGTATGATGCCCTTCTGTCCAGGAACTTGCATCATGAAGA 810
Db 1569 AGAAGCTGCTTAAACAGTGGTATGATGCCCTTCTGTCCAGGAACTTGCATCATGAAGA 1628
QY 811 GGACTATGAACCTTGTAGTACCAAGCTTACCAAGCTTCAAGGAACTTGCATCATGAAGA 870
Db 1629 GGACTATGAACCTTGTAGTACCAAGCTTACCAAGCTTCAAGGAACTTGCATCATGAAGA 1688
QY 871 CACTACTGACATCCCAAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTCGAAGATAA 930
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RESULT 8
US-09-340-620A-1
; Sequence 1, Application US/09340620A
; Patent No. 6482933
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT FILING DATE: 1999-06-28
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: US 09/245,281
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO 1
; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (214)...(1833)
US-09-340-620A-1

Query Match 43.8%; Score 731.8; DB 4; Length 1931;
Best Local Similarity 99.7%; Pred. No. 7.6e-165;
Matches 733; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 331 ACAGTTACAGAGTGGTTTCAAGTGCCATTACCTATGTGACCAAGAGAAAATGGAATTATC 390
Db 1149 AAGATTACAGAGTGGTTTCAAGTGCCATTACCTATGTGACCAAGAGAAAATGGAATTATC 1208
QY 391 TCTGAACATACCTGTAAATCATGGTCCCAAGAGGAATCATGTGGATCTCTCAGCTCCA 450
Db 1209 TCTGAACATACCTGTAAATCATGGTCCCAAGAGGAATCATGTGGATCTCTCAGCTCCA 1268
QY 451 TGAATAATAGTGGTCTCTGAAATTCAGAGTCCCTGCGAGCTCCTCAAGACAATGATTT 510
Db 1269 TGAATAATAGTGGTCTCTGAAATTCAGAGTCCCTGCGAGCTCCTCAAGACAATGATTT 1328
QY 511 TTTATCTAGAAAAGCTCAAGACTGTTTATTTATGAAGCTGCATCACTGCTCGGAATCA 570
Db 1329 TTTATCTAGAAAAGCTCAAGACTGTTTATTTATGAAGCTGCATCACTGCTCGGAATCA 1388
QY 571 CAGTTGGGATAGCACCATTTCTGGATCTCAAGGGCTGCATCTGTGATCAAGACCAC 630
Db 1389 CAGTTGGGATAGCACCATTTCTGGATCTCAAGGGCTGCATCTGTGATCAAGACCAC 1448
QY 631 TCCATGCTCTTCAAGCAATTAATTCACCTCTCAATCTGAGGAACTCAGAACGCTGCA 690
Db 1449 TCCATGCTCTTCAAGCAATTAATTCACCTCTCAATCTGAGGAACTCAGAACGCTGCA 1508
QY 691 GCCTGTATAGCCCAAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTAACCAATGAC 750
Db 1509 GCCTGTATAGCCCAAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTAACCAATGAC 1568
QY 751 AGAAGCTGCTTAAACAGTGGTATGATGCCCTTCTGTCCAGGAACTTGCATCATGAAGA 810
Db 1569 AGAAGCTGCTTAAACAGTGGTATGATGCCCTTCTGTCCAGGAACTTGCATCATGAAGA 1628
QY 811 GGACTATGAACCTTGTAGTACCAAGCTTACCAAGCTTCAAGGAACTTGCATCATGAAGA 870
Db 1629 GGACTATGAACCTTGTAGTACCAAGCTTACCAAGCTTCAAGGAACTTGCATCATGAAGA 1688
QY 871 CACTACTGACATCCCAAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTCGAAGATAA 930
Db 1689 CACTACTGACATCCCAAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTCGAAGATAA 1748
QY 931 CAAACAAATGGGTCTTTCAGCCCTTACCCGGAATATCTGTGGTTCCTAGATCAACATCTTT 990
Db 1749 CAAACAAATGGGTCTTTCAGCCCTTACCCGGAATATCTGTGGTTCCTAGATCAACATCTTT 1808
QY 991 AAATTTACTTCAAAATAAAGCATGTAGTGAATCTGTTTTTCAAGAGAAAATGTGTTTCAT 1050
Db 1809 AAATTTACTTCAAAATAAAGCATGTAGTGAATCTGTTTTTCAAGAGAAAATGTGTTTCAT 1868
QY 1051 AAAAGGATATTTATA 1065
Db 1869 AAAAGGATATTTATA 1883
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RESULT 9
US-09-865-364-1
; Sequence 1, Application US/09865364
; Patent No. 6613521
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
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; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 07334-112001
; CURRENT APPLICATION NUMBER: US/09/865,364
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (214)...(1833)
US-09-865-364-1

Query Match 43.8%; Score 731.8; DB 4; Length 1931;
Best Local Similarity 99.7%; Pred. No. 7.6e-165;
Matches 733; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 331 ACAGTTACAGAGTGTTTCAAGTGCCATTACCTATGTGACAAAGAGAAATGGAATTATC 390
DB 1149 AAGTTACAGAGTGTTTCAAGTGCCATTACCTATGTGACAAAGAGAAATGGAATTATC 1208
QY 391 TCTGAACATACCTGTAAATCATGGTCCAAAGAGGAATCATGTGGATCCTCTCAGCTCCA 450
DB 1209 TCTGAACATACCTGTAAATCATGGTCCAAAGAGGAATCATGTGGATCCTCTCAGCTCCA 1268
QY 451 TGAAGATAGTGTTTCTCCTGAACTTCAAGTCCCTGCCAGCTCCTCAAGACAAATGATT 510
DB 1269 TGAAGATAGTGTTTCTCCTGAACTTCAAGTCCCTGCCAGCTCCTCAAGACAAATGATT 1328
QY 511 TTTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGCTGCATCACTGTCTCTGGAATCA 570
DB 1329 TTTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGCTGCATCACTGTCTCTGGAATCA 1388
QY 571 CAGTTGGGATAGCACCATTCTGGATCTCAAAGGGCTGCATTTCTGTGATCACAAGACCAC 630
DB 1389 CAGTTGGGATAGCACCATTCTGGATCTCAAAGGGCTGCATTTCTGTGATCACAAGACCAC 1448
QY 631 TCCATGCTCTTCAGCAATATAATCCACTCTCAACTGACGGAACCTCAGAACGCTGCA 690
DB 1449 TCCATGCTCTTCAGCAATATAATCCACTCTCAACTGACGGAACCTCAGAACGCTGCA 1508
QY 691 GCCTGGTATAGCCAGCAGTGGATCCAGACAAAAGGAGACATTTGTGAACCAAAATGAC 750
DB 1509 GCCTGGTATAGCCAGCAGTGGATCCAGACAAAAGGAGACATTTGTGAACCAAAATGAC 1568
QY 751 AGAAGCCTGCTTTAACCCAGTCGTAGATGCCCTTCTGTCCAGGAGCTTGATCATGAAGA 810
DB 1569 AGAAGCCTGCTTTAACCCAGTCGTAGATGCCCTTCTGTCCAGGAGCTTGATCATGAAGA 1628
QY 811 GGACTATGAACCTTTAGTACCAAGCCTAAGGACCTCAAAAGTCAAGCAATTAATCTAGA 870
DB 1629 GGACTATGAACCTTTAGTACCAAGCCTAAGGACCTCAAAAGTCAAGCAATTAATCTAGA 1688
QY 871 CACTACTGCATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATTA 930
DB 1689 CACTACTGCATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATTA 1748
QY 931 CAAACAAATGGGTCTTACCGGAAATACCTTGTGGTTTCTAGATCACCATCTTT 990
DB 1749 CAAACAAATGGGTCTTACCGGAAATACCTTGTGGTTTCTAGATCACCATCTTT 1808
QY 991 AAATTTACTTCAAAATAAAGCATGTAAAGTACTGTTTTCAGAGAGAAATGTTGTTTCAT 1050
DB 1809 AAATTTACTTCAAAATAAAGCATGTAAAGTACTGTTTTCAGAGAGAAATGTTGTTTCAT 1868

QY 1051 AAAAGGATATTTATA 1065
DB 1869 AAAAGGATATTTATA 1883
RESULT 10
US-09-748-537-2
; Sequence 2, Application US/09748537
; Patent No. 6680167
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; APPLICANT: Chao, Moses V.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-316001
; CURRENT APPLICATION NUMBER: US/09/748,537
; CURRENT FILING DATE: 2000-12-26
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-748-537-2
Query Match 43.8%; Score 731.8; DB 4; Length 1931;
Best Local Similarity 99.7%; Pred. No. 7.6e-165;
Matches 733; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 331 ACAGTTACAGAGTGTTTCAAGTGCCATTACCTATGTGACAAAGAGAAATGGAATTATC 390
DB 1149 AAGTTACAGAGTGTTTCAAGTGCCATTACCTATGTGACAAAGAGAAATGGAATTATC 1208
QY 391 TCTGAACATACCTGTAAATCATGGTCCAAAGAGGAATCATGTGGATCCTCTCAGCTCCA 450
DB 1209 TCTGAACATACCTGTAAATCATGGTCCAAAGAGGAATCATGTGGATCCTCTCAGCTCCA 1268
QY 451 TGAAGATAGTGTTTCTCCTGAACTTCAAGTCCCTGCCAGCTCCTCAAGACAAATGATT 510
DB 1269 TGAAGATAGTGTTTCTCCTGAACTTCAAGTCCCTGCCAGCTCCTCAAGACAAATGATT 1328
QY 511 TTTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGCTGCATCACTGTCTCTGGAATCA 570
DB 1329 TTTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGCTGCATCACTGTCTCTGGAATCA 1388
QY 571 CAGTTGGGATAGCACCATTCTGGATCTCAAAGGGCTGCATTTCTGTGATCACAAGACCAC 630
DB 1389 CAGTTGGGATAGCACCATTCTGGATCTCAAAGGGCTGCATTTCTGTGATCACAAGACCAC 1448
QY 631 TCCATGCTCTTCAGCAATATAATCCACTCTCAACTGACGGAACCTCAGAACGCTGCA 690
DB 1449 TCCATGCTCTTCAGCAATATAATCCACTCTCAACTGACGGAACCTCAGAACGCTGCA 1508
QY 691 GCCTGGTATAGCCAGCAGTGGATCCAGACAAAAGGAGACATTTGTGAACCAAAATGAC 750
DB 1509 GCCTGGTATAGCCAGCAGTGGATCCAGACAAAAGGAGACATTTGTGAACCAAAATGAC 1568
QY 751 AGAAGCCTGCTTTAACCCAGTCGTAGATGCCCTTCTGTCCAGGAGCTTGATCATGAAGA 810
DB 1569 AGAAGCCTGCTTTAACCCAGTCGTAGATGCCCTTCTGTCCAGGAGCTTGATCATGAAGA 1628
QY 811 GGACTATGAACCTTTAGTACCAAGCCTAAGGACCTCAAAAGTCAAGCAATTAATCTAGA 870
DB 1629 GGACTATGAACCTTTAGTACCAAGCCTAAGGACCTCAAAAGTCAAGCAATTAATCTAGA 1688
QY 871 CACTACTGCATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATTA 930
DB 1689 CACTACTGCATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATTA 1748
QY 931 CAAACAAATGGGTCTTACCGGAAATACCTTGTGGTTTCTAGATCACCATCTTT 990

Db 1749 CAAACAAATGGGCTTACCGGAAATACCTGGTCTTAGATCACCATCTTT 1808
QY 991 AAATTTACTTCAAAATAAAGCATGTAAGTGACTGTTTTTCAAGAGAAATGGTTTCAT 1050
Db 1809 AAATTTACTTCAAAATAAAGCATGTAAGTGACTGTTTTTCAAGAGAAATGGTTTCAT 1868
QY 1051 AAAAGGATATTATA 1065
Db 1869 AAAAGGATATTATA 1883

RESULT 11

US-09-023-655-684
; Sequence 684, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 684:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1060 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: MPHEMOT03
; CLONE: 445186
US-09-023-655-684

Query Match 41.7%; Score 695.4; DB 4; Length 1060;
Best Local Similarity 99.7%; Pred. No. 2.8e-156;
Matches 707; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
QY 331 ACAGTTACAGAGTGTTCAGTGCCCATTCACCTATGTGACAGAGAAATGGAATTATC 390
Db 352 AAAGTTACAGAGTGTTCAGTGCCCATTCACCTATGTGACAGAGAAATGGAATTATC 411
QY 391 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGGATCCTCTCAGCTCCA 450
Db 412 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGGATCCTCTCAGCTCCA 471

QY 451 TGAATAA- GTGTTCTCTCTGAAACTTCAAGTCCCTGCGAGCTCTCTCAAGACAATGATT 509
Db 472 TGAATAAAGTGTGTTCTCTGAAACTTCAAGTCCCTGCGAGCTCTCTCAAGACAATGATT 531
QY 510 TTTTATCTAGAAAAGCTCAAGACTCTTATTTTATGAAGCTGCATCATCTGTCTCTGGAATC 569
Db 532 TTTTATCTAGAAAAGCTCAAGACTCTTATTTTATGAAGCTGCATCATCTGTCTCTGGAATC 591
QY 570 ACAGTTGGGATAGCACCATTCTTGATCTCAAGAGGCTGCATCTCTGTGATCAAGACCA 629
Db 592 ACAGTTGGGATAGCACCATTCTTGATCTCAAGAGGCTGCATCTCTGTGATCAAGACCA 651
QY 630 CTCCATGCTCTTCAGCAATAATAAATCCACTCTCAACTGCAGGAACTCAGAACGTCGTC 689
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QY 810 AGGACTATGAACCTTCTGTTAGTCAAGCCCTCAAGGACCTCAAAAGCTCAGACAATTACTAG 869
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QY 870 ACATCTAGCATCCAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATA 929
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QY 930 ACACCAAAATGGTCTTCCAGCTTACCCGGAAATACTTGTGTTTCTAGATCACCATCTT 989
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Db 1012 TAAATTTACTTCAAAATAAAGCATGTAAGTGACTGTTTTCAGAGAA 1060

RESULT 12

US-09-099-041A-3
; Sequence 3, Application US/09099041A
; Patent No. 6340576
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
; FILE REFERENCE: 07334-076001
; CURRENT APPLICATION NUMBER: US/09/099,041A
; CURRENT FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 3
; LENGTH: 1620
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-099-041A-3

Query Match 40.9%; Score 681.8; DB 3; Length 1620;
Best Local Similarity 99.7%; Pred. No. 5.7e-153;
Matches 683; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 331 ACAGTTACAGAGTGTTCAGTGCCCATTCACCTATGTGACAGAGAAATGGAATTATC 390
Db 936 AAAGTTACAGAGTGTTCAGTGCCCATTCACCTATGTGACAGAGAAATGGAATTATC 995
QY 391 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGGATCCTCTCAGCTCCA 450
Db 996 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGGATCCTCTCAGCTCCA 1055


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QY 331 ACAGTTACAGAGTGTTCAGAGTGCATTCACCTATGTGACAGAGAGAAAATGGAATTATC 390
Db 936 AAAAGTTACAGAGTGTTCAGAGTGCATTCACCTATGTGACAGAGAGAAAATGGAATTATC 995
QY 391 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGATCCTCTCAGCTCCA 450
Db 996 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGATCCTCTCAGCTCCA 1055
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Db 1056 TGAATAATAGTGGTCTCTCTGAAACTTCAAGGTCCTGCGAGCTCTCTCAAGACAATGATTT 1115
QY 511 TTTATCTAGAAAAGCTCAAGACTGTTATTTATGAGCTGCAATCTCTGGAATCA 570
Db 1116 TTTATCTAGAAAAGCTCAAGACTGTTATTTATGAGCTGCAATCTCTGGAATCA 1175
QY 571 CAGTTGGGATAGCACCATTCTCTGGATCTCAAAAGGCTGCATTTCTGTGATCAAGACCAAC 630
Db 1176 CAGTTGGGATAGCACCATTCTCTGGATCTCAAAAGGCTGCATTTCTGTGATCAAGACCAAC 1235
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QY 691 GCTGTGTATAGCCAGCTGATCCAGAGCAAAAGGGAAGACATTTGTAACCAATGAC 750
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QY 751 AGAAGCCTGCCCTTAACCAAGCTGCTAGATGCCCTTCTGTCCAGGGAATTCATGAAAGA 810
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QY 811 GGAATGAACTTGTAGTACCAAGCTCAAGGCTCAAGGCTCAAAAGTCAAGCAATTTACTAGA 870
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QY 871 CACTACTGACATCCAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAA 930
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QY 931 CAAACAAATGGGTCTTCAGCCTTACCCGGAATACCTGTGGTTCTAGATCACCATCTTT 990
Db 1536 CAAACAAATGGGTCTTCAGCCTTACCCGGAATACCTGTGGTTCTAGATCACCATCTTT 1595

RESULT 15
US-09-340-620A-3
; Sequence 3, Application US/09340620A
; Patent No. 6482933
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/09/340, 620A
; CURRENT FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/245,281
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1620
; TYPE: DNA
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ORGANISM: Homo sapiens
US-09-340-620A-3

Query Match 40.9%; Score 691.8; DB 4; Length 1620;
Best Local Similarity 99.7%; Pred. No. 5.7e-153;
Matches 683; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 331 ACAGTTACAGAGTGTTCAGAGTGCATTCACCTATGTGACAGAGAGAAAATGGAATTATC 390
Db 936 AAAAGTTACAGAGTGTTCAGAGTGCATTCACCTATGTGACAGAGAGAAAATGGAATTATC 995
QY 391 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGATCCTCTCAGCTCCA 450
Db 996 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGATCCTCTCAGCTCCA 1055
QY 451 TGAATAATAGTGGTCTCTCTGAAACTTCAAGGTCCTGCGAGCTCTCTCAAGACAATGATTT 510
Db 1056 TGAATAATAGTGGTCTCTCTGAAACTTCAAGGTCCTGCGAGCTCTCTCAAGACAATGATTT 1115
QY 511 TTTATCTAGAAAAGCTCAAGACTGTTATTTATGAGCTGCAATCTCTGGAATCA 570
Db 1116 TTTATCTAGAAAAGCTCAAGACTGTTATTTATGAGCTGCAATCTCTGGAATCA 1175
QY 571 CAGTTGGGATAGCACCATTCTCTGGATCTCAAAAGGCTGCATTTCTGTGATCAAGACCAAC 630
Db 1176 CAGTTGGGATAGCACCATTCTCTGGATCTCAAAAGGCTGCATTTCTGTGATCAAGACCAAC 1235
QY 631 TCCATGCTCTTCAGCAATTAATAATCCACTCTCAACTGCGAGGAACTTCAGAACGTCGCA 690
Db 1236 TCCATGCTCTTCAGCAATTAATAATCCACTCTCAACTGCGAGGAACTTCAGAACGTCGCA 1295
QY 691 GCTGTGTATAGCCAGCTGATCCAGAGCAAAAGGGAAGACATTTGTAACCAATGAC 750
Db 1296 GCTGTGTATAGCCAGCTGATCCAGAGCAAAAGGGAAGACATTTGTAACCAATGAC 1355
QY 751 AGAAGCCTGCCCTTAACCAAGCTGCTAGATGCCCTTCTGTCCAGGGAATTCATGAAAGA 810
Db 1356 AGAAGCCTGCCCTTAACCAAGCTGCTAGATGCCCTTCTGTCCAGGGAATTCATGAAAGA 1415
QY 811 GGAATGAACTTGTAGTACCAAGCTCAAGGCTCAAGGCTCAAAAGTCAAGCAATTTACTAGA 870
Db 1416 GGAATGAACTTGTAGTACCAAGCTCAAGGCTCAAGGCTCAAAAGTCAAGCAATTTACTAGA 1475
QY 871 CACTACTGACATCCAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAA 930
Db 1476 CACTACTGACATCCAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAA 1535
QY 931 CAAACAAATGGGTCTTCAGCCTTACCCGGAATACCTGTGGTTCTAGATCACCATCTTT 990
Db 1536 CAAACAAATGGGTCTTCAGCCTTACCCGGAATACCTGTGGTTCTAGATCACCATCTTT 1595
QY 991 AAATTTACTTCAAAATAAAGCATG 1015
Db 1596 AAATTTACTTCAAAATAAAGCATG 1620
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Search completed: January 31, 2005, 23:09:49
Job time : 168 secs

QY 61 TTAGTAAATCTGTTAGATTTCTGAGATGAAGCTCTGAGACACTGAGAGAGAGTAACCAAT 120
DB |||||
QY 61 TGTAGTAATCTGTTAGATTTCTGAGATGAAGCTCTGAGACACTGAGAGAGAGTAACCAAT 120
DB |||||
QY 121 TAAATGAGCCAGGATTTCAAGTCTGTGGTTNCTAAAGTTATTTCCCGTCTTACACTGTC 180
DB |||||
QY 121 TAAATGAGCCAGGATTTCAAGTCTGTGGTTNCTAAAGTTATTTCCCGTCTTACACTGTC 180
DB |||||
QY 181 TTTTCTCTCAGTTATATGTTATTTCTCAACTCTTTATATTTCTTTTCTTCCATGATTTTGT 240
DB |||||
QY 181 TTTTCTCTCAGTTATATGTTATTTCTCAACTCTTTATATTTCTTTTCTTCCATGATTTTGT 240
DB |||||
QY 241 ACAACATATAAAATGTTAGATGTTATTTTCTTCTATAATTTCTTAAATCATCTCCAG 300
DB |||||
QY 241 ACAACATATAAAATGTTAGATGTTATTTTCTTCTATAATTTCTTAAATCATCTCCAG 300
DB |||||
QY 301 TTAAGTGTATATATTTATGTTATTTCTCACTGTTTCAAGTGCCATTCA 360
DB |||||
QY 301 TTAAGTGTATATATTTATGTTATTTCTCACTGTTTCAAGTGCCATTCA 360
DB |||||
QY 361 CCTATGTGACAGAAATGGAATTTATCTCTGAAATACCTGTAATCATGGTCCACA 420
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DB |||||
QY 421 AGAGGAATCATGTGGATCTCTCAGCTCCATGAAATAGTGTCTCTGAAACTTCAAG 480
DB |||||
QY 421 AGAGGAATCATGTGGATCTCTCAGCTCCATGAAATAGTGTCTCTGAAACTTCAAG 480
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QY 481 GTCCCTGCCAGCTCTCAAGACAATGATTTTTTATCTAGAAAGCTCAAGACTGTTATTT 540
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QY 481 GTCCCTGCCAGCTCTCAAGACAATGATTTTTTATCTAGAAAGCTCAAGACTGTTATTT 540
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DB |||||
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QY 601 AAGGCTGTGATTTGTGATCAAGACCACTCCATGCTCTTCAGCAATTAATTAATCCACT 660
DB |||||
QY 661 CTCAACTGCAGGAACTCAGAACTCTGAGCTGTGATAGCCAGCAGTGGATCCAGAG 720
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QY 721 CAAAGGGAAGACATTTGTAACCAATGACAGAGCTGCTTAACTGCGTAGATGC 780
DB |||||
QY 721 CAAAGGGAAGACATTTGTAACCAATGACAGAGCTGCTTAACTGCGTAGATGC 780
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QY 781 CTTCTGTCCAGGACTGTGATCATGAAGAGGACTATGAATGTTAGTACCAAGCCTAC 840
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DB |||||
QY 901 CAAAGTTATAGTACAAAATTTGAAGATACAAATGAGTCTTACGCTTACCCGA 960
DB |||||
QY 901 CAAAGTTATAGTACAAAATTTGAAGATACAAATGAGTCTTACGCTTACCCGA 960
DB |||||
QY 961 AATACTTGTGGTTCTAGATCACATCTTTTAAATTTTACTTCAAAATTAAGAGCATGAAGT 1020
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QY 1021 GACTGTTTTCAAGAGAAATGTTTTCAATAAAGGATATTTATCTCTGTTGCTTTGA 1080
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QY 1081 CTTTTTTTATATAAATCCGTGAGTATAAGCTTTTATGAAGCTTTTGGGTAATAT 1140
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QY 1141 TAGTCTCCCTCCATGACACTGCAGTATTTTTTTTAAATTAATACAGTAAAAAGTTTGAAT 1200
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DB |||||
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DB |||||
QY 1321 TTCACTCATGTTCTTCAATGATTTTGTCTTAAAGTCTTAAAGTCTTAAAGTCTTAAAG 1380
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QY 1381 GAAGTAT 1440
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QY 1441 TTAATGCTCCATCAAAAGGTTTATTAATTTAAACCTCAATTTAGGATTAATTTTAAAG 1500
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QY 1501 TTTTATTTATGATTTTCCCTTTTAAATGATATTTTCAAAAGTAAAAACAATATAATAAG 1560
DB |||||
QY 1561 AAAAAATTAAT 1620
DB |||||
QY 1561 AAAAAATTAAT 1620
DB |||||
QY 1621 CTGTCCACCAACCAAGCTAAATAAGTCAACAGCTGATGTGTAAAA 1669
DB |||||
QY 1621 CTGTCCACCAACCAAGCTAAATAAGTCAACAGCTGATGTGTAAAA 1669
DB |||||

RESULT 2

US-09-925-301-173
; Sequence 173, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 173
; LENGTH: 2709
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (2595)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (2622)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (2659)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (2670)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-301-173

Query Match

79.8%; Score 1332.4; DB 9; Length 2709;

Best Local Similarity 99.6%; Pred. No. 1.4e-269;
Matches 1330; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 331 ACAGTTACAGAGTGTTCAGTGGCCATTCACCTATGTGACAGAGAAATGGAATTATC 390
DB 1202 AAGTTACAGAGTGTTCAGTGGCCATTCACCTATGTGACAGAGAAATGGAATTATC 1261

QY 391 TCTGAACATACCTGTAAATCATGGTCCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 450
DB 1262 TCTGAACATACCTGTAAATCATGGTCCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 1321

QY 451 TGAATAATAGTGTTCCTCGAACTTCAGAGTCCCTCCAGCTCCCTCAAGACAAATGATTT 510
DB 1322 TGAATAATAGTGTTCCTCGAACTTCAGAGTCCCTCCAGCTCCCTCAAGACAAATGATTT 1381

QY 511 TTTATCTAGAAAAGCTCAAGACTGTGTTATTTATGAAGCTGTCATCAGTCTCGGAATCA 570
DB 1382 TTTATCTAGAAAAGCTCAAGACTGTGTTATTTATGAAGCTGTCATCAGTCTCGGAATCA 1441

QY 571 CAGTTGGGATAGCACCAATTTCTGGAATCTCAAGGGCTGCAATCTGTGATCACAAGACCAC 630
DB 1442 CAGTTGGGATAGCACCAATTTCTGGAATCTCAAGGGCTGCAATCTGTGATCACAAGACCAC 1501

QY 631 TCCATGCTCTTACAGCAATTAATAATCACTCTCAACTGAGGAACTCAGAACTCTGCA 690
DB 1502 TCCATGCTCTTACAGCAATTAATAATCACTCTCAACTGAGGAACTCAGAACTCTGCA 1561

QY 691 GCCTGTATAGCCACGAGTGGATCCAGACGAAAGGAGAGCATTTGCAACCAATGAC 750
DB 1562 GCCTGTATAGCCACGAGTGGATCCAGACGAAAGGAGAGCATTTGCAACCAATGAC 1621

QY 751 AGAAGCTGCTCTTAACCACTGCTAGATGCCCTTCTGTCCAGGACTTGTATCATGAAAGA 810
DB 1622 AGAAGCTGCTCTTAACCACTGCTAGATGCCCTTCTGTCCAGGACTTGTATCATGAAAGA 1681

QY 811 GGACTATGAATCTGTGTAGTACCAAGCTCAAGGACCTCAAAAGTCAGACAAATTAATAGA 870
DB 1682 GGACTATGAATCTGTGTAGTACCAAGCTCAAGGACCTCAAAAGTCAGACAAATTAATAGA 1741

QY 871 CACTACTGACATCCAAAGGAGAGAAATTCGCAAGTTATAGTACAAAAATGGAAGATAA 930
DB 1742 CACTACTGACATCCAAAGGAGAGAAATTCGCAAGTTATAGTACAAAAATGGAAGATAA 1801

QY 931 CAAACAAATGGGTCTTCAGCTTTACCCGGAAATACCTGTGGTTTCTAGATCACCATCTTT 990
DB 1802 CAAACAAATGGGTCTTCAGCTTTACCCGGAAATACCTGTGGTTTCTAGATCACCATCTTT 1861

QY 991 AAATTTACTTCAAAATAAAGCATGTAAGTGAATGTTTTTCAAGAGAAATGTTGTTCAAT 1050
DB 1862 AAATTTACTTCAAAATAAAGCATGTAAGTGAATGTTTTTCAAGAGAAATGTTGTTCAAT 1921

QY 1051 AAAAGGATATTTATATCTCTGTGCTTGGACTTTTTTATATAAATCCGTGAGTATTA 1110
DB 1922 AAAAGGATATTTATATCTCTGTGCTTGGACTTTTTTATATAAATCCGTGAGTATTA 1981

QY 1111 AGCTTTATGAAGTCTTTGGGTAAATATTAGTCTCCCTCCATGACACTGCAAGTATTTT 1170
DB 1982 AGCTTTATGAAGTCTTTGGGTAAATATTAGTCTCCCTCCATGACACTGCAAGTATTTT 2041

QY 1171 TTTTAAATTAACAAGTAAAGTGTGAAATTTTGTACATAGTTCATTTTATGTCCT 1230
DB 2042 TTTTAAATTAACAAGTAAAGTGTGAAATTTTGTACATAGTTCATTTTATGTCCT 2101

QY 1231 TTTGTTAAACAGAACCACTTTAAAGGATAGTAAATTTCTGTTTATACAGTGGCTTA 1290
DB 2102 TTTGTTAAACAGAACCACTTTAAAGGATAGTAAATTTCTGTTTATACAGTGGCTTA 2161

QY 1291 AGGTATGATGATTTCTGTGAGGAGCAATTTTACATTCATGTTCTTCTGAGTATTTTG 1350
DB 2162 AGGTATGATGATTTCTGTGAGGAGCAATTTTACATTCATGTTCTTCTGAGTATTTTG 2221

QY 1351 TTACTTGTCTAAGATGCAATTTGATTTTATGAAGTATATACCTTTTACCACACAGAGACA 1410
DB 1410 TTACTTGTCTAAGATGCAATTTGATTTTATGAAGTATATACCTTTTACCACACAGAGACA 1470

DB 2222 TTACTTGTCTAARAWCAATTTGATTTTATGAAGTATATACCTTTTACCACACAGACA 2281

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DB 2282 GTACAGAAATCCCTGCGCTAAAAATCCAGGCTTAAATTCCTTACAAAGGGGTATTAATTTA 2341

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DB 2342 AAATCCCATTTATAGGATTTACATTTTAAAGTGTGTTTATTTATGAATTCCTTTAAAAATGAT 2401

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DB 2462 TGTCCCATTTTAAACCTCAGGCTTCCCTTACCTGTCACCAACCAACCAAGCTAAATAAAGTC 2521

QY 1651 AACAGCCTGATGTGA 1666

DB 2522 AACAGCCTGATGTGA 2537

RESULT 3
US-09-981-397A-13
; Sequence 13, Application US/09981397A
; Publication No. US20030082519A1
; GENERAL INFORMATION:
; APPLICANT: Axxima Pharmaceuticals AG
; APPLICANT: Schubart, Daniel
; APPLICANT: Habenberger, Peter
; APPLICANT: Stein-Gerlach, Matthias
; APPLICANT: Bevec, Dorian
; TITLE OF INVENTION: Cellular Kinases Involved in Cytomegalovirus Infection and their
; TITLE OF INVENTION: Inhibition
; FILE REFERENCE: AXM-004.1 US
; CURRENT APPLICATION NUMBER: US/09/981,397A
; PRIOR FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/240,750
; PRIOR FILING DATE: 2000-10-16
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 13
; LENGTH: 2501
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-981-397A-13

Query Match 78.4%; Score 1308; DB 10; Length 2501;
Best Local Similarity 99.0%; Pred. No. 1.8e-264;
Matches 1329; Conservative 0; Mismatches 5; Indels 8; Gaps 1;

QY 331 ACAGTTACAGAGTGTTCAGTGGCCATTCACCTATGTGACAGAGAAATGGAATTATC 390
DB 1160 AAGTTACAGAGTGTTCAGTGGCCATTCACCTATGTGACAGAGAAATGGAATTATC 1219

QY 391 TCTGACATACCTGTAAATCATGGTCCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 450
DB 1220 TCTGACATACCTGTAAATCATGGTCCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 1279

QY 451 TGAATAATAGTGTTCCTCGAACTTCAGAGTCCCTCCAGCTCCCTCAAGACAAATGATTT 510
DB 1280 TGAATAATAGTGTTCCTCGAACTTCAGAGTCCCTCCAGCTCCCTCAAGACAAATGATTT 1339

QY 511 TTTATCTAGAAAAGCTCAAGACTGTGTTATTTATGAAGCTGTCATCAGTCTCGGAAATCA 570
DB 1340 TTTATCTAGAAAAGCTCAAGACTGTGTTATTTATGAAGCTGTCATCAGTCTCGGAAATCA 1399

QY 571 CAGTTGGGATAGCACCAATTTCTGGATCTCAAAAGGGCTGCAATTCCTGTGATCACAAGACCAC 630
DB 1400 CAGTTGGGATAGCACCAATTTCTGGTCTCAAAAGGGCTGCAATTCCTGTGATCACAAGACCAC 1459

QY 631 TCCATGCTCTTACAGCAATTAATAATCACTCTCAACTGCGAGAACTCAGAACGCTCTGCA 690

Db 1460 TCCATGCTCTTCAGCAATAATAATCCCACTCTCAACTGAGAAACTCAGAACGTCCTGCA 1519
Qy 691 GCCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGAC 750
Db 1520 GCCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGAC 1579
Qy 751 AGAGCCTGCTTAAACAGTCCCTAGATGCCCTTCTGTCCAGGACTTGTATCATGAAGA 810
Db 1580 AGAGCCTGCTTAAACAGTCCCTAGATGCCCTTCTGTCCAGGACTTGTATCATGAAGA 1639
Qy 811 GCATATGAACCTTGTAGTACCAAGCTTACAGGACCTCAAAAGTCAGCAATTAATA 870
Db 1640 GCATATGAACCTTGTAGTACCAAGCTTACAGGACCTCAAAAGTCAGCAATTAATA 1699
Qy 871 CACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAA 930
Db 1700 CACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAA 1759
Qy 931 CAAACAAATGGGTCTTACGCTTACCCGGAATACCTTGTGGTTTCTAGATCACCATCTTT 990
Db 1760 CAAACAAATGGGTCTTACGCTTACCCGGAATACCTTGTGGTTTCTAGATCACCATCTTT 1819
Qy 991 AATATTTACTTCAAAATATAAGCATGTAGTGAATGTTTTCAAGAGAAATGTTTTCAT 1050
Db 1820 AATATTTACTTCAAAATATAAGCATGTAGTGAATGTTTTCAAGAGAAATGTTTTCAT 1879
Qy 1051 AAAAGGATATTTATATCTCTGTGCTTGAATTTTTTATATAAAATCGTGAGTATTA 1110
Db 1880 AAAAGGATATTTATATCTCTGTGCTTGAATTTTTTATATAAAATCGTGAGTATTA 1939
Qy 1111 AGCTTATTTGAAGTTCTTTGGTAAATTAATTTCTCCCTCATGACACTGAGTATTT 1170
Db 1940 AGCTTATTTGAAGTTCTTTGGTAAATTAATTTCTCCCTCATGACACTGAGTATTT 1999
Qy 1171 TTTTAAATTAATCAAGTAAAAAGTT-----TGAATTTTGTCTACATAGTTCAATTTTT 1222
Db 2000 TTTTAAATTAATCAAGTAAAAAGTTGAATTTGGTGAATTTGCTACATAGTTCAATTTTT 2059
Qy 1223 ATGTCTCTTTGTTAAAGAACCACTTTTAAAGGATAGTAATTTCTTGTGTTATAACA 1282
Db 2060 ATGTCTCTTTGTTAAAGAACCACTTTTAAAGGATAGTAATTTCTTGTGTTATAACA 2119
Qy 1283 GTGCCCTTAAGGTATGATGATTTCTCATGAGGCCAATTTTCAATTCATGTTCTTCATGG 1342
Db 2120 GTGCCCTTAAGGTATGATGATTTCTCATGAGGCCAATTTTCAATTCATGTTCTTCATGG 2179
Qy 1343 ATTAATTTGTTACTTGTCTAAGATGCAATTTGATTTTATGAAGTATATACCCCTTACCCAC 1402
Db 2180 ATTAATTTGTTACTTGTCTAAGATGCAATTTGATTTTATGAAGTATATACCCCTTACCCAC 2239
Qy 1403 CAGAGACAGTACAGATCCCTGCTTAAATCCAGGCTTAATGCGCTTACAAAGGTTA 1462
Db 2240 CAGAGACAGTACAGATCCCTGCTTAAATCCAGGCTTAATGCGCTTACAAAGGTTA 2299
Qy 1463 TTAATTTAAACCTCCATTTATAGATTTACATTTTAAAGTTTATTTATGAATTTCCCTTTA 1522
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Qy 1523 AAAATGATATTTCAAAGGTAAAAACAATACAAATAATAAGAAAAAATAATATATTAATAC 1582
Db 2360 AAAATGATATTTCAAAGGTAAAAACAATACAAATAATAAGAAAAAATAATATATTAATAC 2419
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Db 2420 CGGCTTCTGTCGCGATTTTAACTTACCTCAGCTTCCCTACTGTCCACCAACCAAGCTAA 1699
Qy 1643 ATAAAGTCAACAGCTGATGTG 1664
Db 2480 ATAAAGTCAACAGCTGATGTG 2501

US-10-825-282-35
; Sequence 35, Application US/10825282
; Publication No. US2004024389A1
; GENERAL INFORMATION:
; APPLICANT: 3921-1-1-1
; TITLE OF INVENTION: VIRAL VECTORS ENCODING APOPTOSIS-INDUCING PROTEINS AND
; TITLE OF INVENTION: METHODS FOR MAKING AND USING THE SAME
; FILE REFERENCE: 3921-1-1-1
; CURRENT APPLICATION NUMBER: US/10/825,282
; CURRENT FILING DATE: 2004-04-14
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 60/134,416
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 09/087,195
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 08/378,507
; PRIOR FILING DATE: 1995-01-26
; PRIOR APPLICATION NUMBER: 08/250,478
; PRIOR FILING DATE: 1994-05-27
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 35
; LENGTH: 2501
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (225)..(1847)
US-10-825-282-35

Query Match 78.4%; Score 1308; DB 18; Length 2501;
Best Local Similarity 99.0%; Pred. No. 1.8e-264;
Matches 1329; Conservative 0; Mismatches 5; Indels 8; Gaps 1;
Qy 331 ACAGTTACAGAGTGTTCAGAGTGCATTCACCTATGTGACAAAGAAATGGAATATC 390
Db 1160 AAAGTTACAGAGTGTTCAGAGTGCATTCACCTATGTGACAAAGAAATGGAATATC 1219
Qy 391 TCTGACATACCTGTAAATCATGTGCCAAGAGAAATCATGTGATCCTCTCAGCTCCA 450
Db 1220 TCTGACATACCTGTAAATCATGTGCCAAGAGAAATCATGTGATCCTCTCAGCTCCA 1279
Qy 451 TGAAATAGTGGTTCCTCTGAAACTTCAAGGTCCCTGCGAGCTCCTCAAGACAATGATTT 510
Db 1280 TGAAATAGTGGTTCCTCTGAAACTTCAAGGTCCCTGCGAGCTCCTCAAGACAATGATTT 1339
Qy 511 TTTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGTGCATCACTGCTCTGGAATCA 570
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Qy 571 CAGTTGGGATAGCACCATTCTTGGATCTCAAGGGCTGCATTTCTGTGATCAAGACCCAC 630
Db 1400 CAGTTGGGATAGCACCATTCTTGGTCTCAAGGGCTGCATTTCTGTGATCAAGACCCAC 1459
Qy 631 TCCATGCTCTTTCAGCAATAATAATCCACTCTCAACTGCGAGAACTCAGAACGTCGCA 690
Db 1460 TCCATGCTCTTTCAGCAATAATAATCCACTCTCAACTGCGAGAACTCAGAACGTCGCA 1519
Qy 691 GCCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGAGACATTTGTAACCAATGAC 750
Db 1520 GCCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGAGACATTTGTAACCAATGAC 1579
Qy 751 AGAAGCTGCTTAAACAGTCCCTAGATGCCCTTCTGTCTCAGGGACTTGATCATGAAGA 810
Db 1580 AGAAGCTGCTTAAACAGTCCCTAGATGCCCTTCTGTCTCAGGGACTTGATCATGAAGA 1639
Qy 811 GCATATGAACCTTGTAGTACCAAGCTTCAAGGACCTCAAAAGTCAGCAATTAATA 870
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Qy 871 CACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAA 930

Db 1700 CACTACTGACATCCAGGAGAGAAATTTGCCAAAGTTTAGTACAAAAATTGAAGATAA 1759
Qy 931 CAAACAAATGGGCTCTTACCGGAAATACCTTGTGGTTTCTAGATCACCATCTTT 990
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Db 1820 AAATTTACTTCAAAATAAAGCATGTAAAGTACTGTTTTCAGAGAAATGTTTTCAT 1879
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Db 1880 AAAAGGATATTTATATCTCTGTTGCTTGCATTTTATATAAATCCGTGAGTATTA 1939
Qy 1111 AGCTTTATTGAAGTTCTTTGGTAAATATTAGTCTCCCTCCATGACATGCAAGTATTTT 1170
Db 1940 AGCTTTATTGAAGTTCTTTGGTAAATATTAGTCTCCCTCCATGACATGCAAGTATTTT 1999
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Db 2000 TTTTAAATTAACAAGTAAAGTTGAAATTTGTTGAAATTTGCTACATGTTCAATTTT 2059
Qy 1223 ATGCTCTTTTGTACAGAAACCACTTTTAAAGGATAGTAAATTTCTGTTTATAACA 1282
Db 2060 ATGCTCTTTTGTACAGAAACCACTTTTAAAGGATAGTAAATTTCTGTTTATAACA 2119
Qy 1283 GTCCCTTAAAGTATGATGATTTCTGATGGAAGCCATTTTCAATTCATGTTCTTCATGG 1342
Db 2120 GTCCCTTAAAGTATGATGATTTCTGATGGAAGCCATTTTCAATTCATGTTCTTCATGG 2179
Qy 1343 ATTATTGTTTACTGTTGCTAAGATGCAATTTGATTTTATGAAGTATATACCCCTTACCCAC 1402
Db 2180 ATTATTGTTTACTGTTGCTAAGATGCAATTTGATTTTATGAAGTATATACCCCTTACCCAC 2239
Qy 1403 CAGAGACGTACAGATCCCTGCTCCCTAAATCCAGGCTTAATTTGCCCTACAAAGGTTA 1462
Db 2240 CAGAGACGTACAGATCCCTGCTCCCTAAATCCAGGCTTAATTTGCCCTACAAAGGTTA 2299
Qy 1463 TTAATTTAAACCTCATTATTAGATTAATTTTAAAGTTTATTTATGAATTTCCCTTTA 1522
Db 2300 TTAATTTAAACCTCATTATTAGATTAATTTTAAAGTTTATTTATGAATTTCCCTTTA 2359
Qy 1523 AAATGATATTTCAAAGGTAAACCAATACAAATAAAGAAATAAATAATATTAATAC 1582
Db 2360 AAATGATATTTCAAAGGTAAACCAATACAAATAAAGAAATAAATAATATTAATAC 2419
Qy 1583 CGGCTTCTGTCCTCCATTTTAACTCAGCTTCCCTACTGTGACCAACCAACCACTAA 1642
Db 2420 CGGCTTCTGTCCTCCATTTTAACTCAGCTTCCCTACTGTGACCAACCAACCACTAA 2479
Qy 1643 ATAAAGTCAACAGCCTGATGTG 1664
Db 2480 ATAAAGTCAACAGCCTGATGTG 2501

RESULT 5
US-09-748-537-2
; Sequence 2, Application US/09748537
; Patent No. US20020061833A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; APPLICANT: Chao, Moses V.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILIE AND USES THERE
; FILE REFERENCE: 07334-316001
; CURRENT APPLICATION NUMBER: US/09/748,537
; CURRENT FILING DATE: 2000-12-26
; PRIOR FILING DATE: 1998-06-17
; PRIOR FILING DATE: 1998-06-17
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2

; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-748-537-2
Query Match 43.8%; Score 731.8; DB 9; Length 1931;
Best Local Similarity 99.7%; Pred. No. 1.9e-143;
Matches 733; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 331 ACAGTTTACAGAGTGGTTTCAAGTGCATTCACCTATGTGCAAGAGAAATGGAATATC 390
Db 1149 AAGTTTACAGAGTGGTTTCAAGTGCATTCACCTATGTGCAAGAGAAATGGAATATC 1208
Qy 391 TCTGAACATACCTGTAAATCATGGTCCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 450
Db 1209 TCTGAACATACCTGTAAATCATGGTCCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 1268
Qy 451 TGAATAATAGTGGTTCCTGAAACCTTCAAGGTCCCTGCCAGCTCCTCAAGACAAATGATTT 510
Db 1269 TGAATAATAGTGGTTCCTGAAACCTTCAAGGTCCCTGCCAGCTCCTCAAGACAAATGATTT 1328
Qy 511 TTTATCTAGAAAGCTCAAGACTGTTTATTTATGAAGCTGCATCTCTGCTGGAATCA 570
Db 1329 TTTATCTAGAAAGCTCAAGACTGTTTATTTATGAAGCTGCATCTCTGCTGGAATCA 1388
Qy 571 CAGTTGGGATAGCACCATTTCTGGATCTCAAAAGGGCTGCAATTTCTGTGATCACAAGACCAC 630
Db 1389 CAGTTGGGATAGCACCATTTCTGGATCTCAAAAGGGCTGCAATTTCTGTGATCACAAGACCAC 1448
Qy 631 TCCATGCTCTTTCAGCAATAATAATCACTCTCAACTGTCAGGAAATCTGAAGCTGTGCA 690
Db 1449 TCCATGCTCTTTCAGCAATAATAATCACTCTCAACTGTCAGGAAATCTGAAGCTGTGCA 1508
Qy 691 GCCTGGTATAGCCAGCTGATCCAGAGCAAAAGGGAAGACATTTGTAACCAATGAC 750
Db 1509 GCCTGGTATAGCCAGCTGATCCAGAGCAAAAGGGAAGACATTTGTAACCAATGAC 1568
Qy 751 AGAAGCTCGCTTAAACAGCTCGTATGCTTCTGTCCAGGACTTGTATCATGAAAGA 810
Db 1569 AGAAGCTCGCTTAAACAGCTCGTATGCTTCTGTCCAGGACTTGTATCATGAAAGA 1628
Qy 811 GGACTATGAATCTTTAGTACCAAGCTTCAAGGACTCAAAAGTCAAGCAATTAATAC 870
Db 1629 GGACTATGAATCTTTAGTACCAAGCTTCAAGGACTCAAAAGTCAAGCAATTAATAC 1688
Qy 871 CACTACTGACATCCAGGAGAGAAATTTGCCAAAGTTATAGTACAAATTTGAAGATA 930
Db 1689 CACTACTGACATCCAGGAGAGAAATTTGCCAAAGTTATAGTACAAATTTGAAGATA 1748
Qy 931 CAAACAAATGGGCTTTCAGCCTTACCCGGAATACTTTGTGGTTTCTAGATCACCATCTTT 990
Db 1749 CAAACAAATGGGCTTTCAGCCTTACCCGGAATACTTTGTGGTTTCTAGATCACCATCTTT 1808
Qy 991 AAATTTACTTCAAAATAAAGCATGTAAAGTACTGTTTTCAGAGAAATGTTTTCAT 1050
Db 1809 AAATTTACTTCAAAATAAAGCATGTAAAGTACTGTTTTCAGAGAAATGTTTTCAT 1868
Qy 1051 AAAAGGATATTTATA 1065
Db 1869 AAAAGGATATTTATA 1883

RESULT 6
US-09-728-721-1
; Sequence 1, Application US/09728721
; Patent No. US20020061845A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/09/728,721
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: 09/340,620

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; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (214)...(1833)
US-09-728-721-1

Query Match      43.8%; Score 731.8; DB 9; Length 1931;
Best Local Similarity 99.7%; Pred. No. 1.9e-143;
Matches 733; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 331 ACAGTTACAGAGTGTTCAGAGGCCATTCACCTATGTGCAACAAGAGAAAATGGAATTATC 390
DB 1149 AAGTTACAGAGTGTTCAGAGGCCATTCACCTATGTGCAACAAGAGAAAATGGAATTATC 1208

QY 391 TGTGAACATACCTGTTAAATCATGTGTCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 450
DB 1209 TGTGAACATACCTGTTAAATCATGTGTCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 1268

QY 451 TGAATAATAGTGTTCCTCGAACTTCAAGGTCCCTGCGAGTCTCTCAAGACAAATGATTT 510
DB 1269 TGAATAATAGTGTTCCTCGAACTTCAAGGTCCCTGCGAGTCTCTCAAGACAAATGATTT 1328

QY 511 TTTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGTGCATCACTGTCTGGAATAACA 570
DB 1329 TTTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGTGCATCACTGTCTGGAATAACA 1388

QY 571 CAGTTGGATAGACCACTTCTGGATCTCAAGGGGTGCTATCTGTGATCAAGACCAAC 630
DB 1389 CAGTTGGATAGACCACTTCTGGATCTCAAGGGGTGCTATCTGTGATCAAGACCAAC 1448

QY 631 TCCATGCTCTTCAAGCAATAATAATCACTCTCAACTCAGAGAACTCAGAACTGCTGCA 690
DB 1449 TCCATGCTCTTCAAGCAATAATAATCACTCTCAACTCAGAGAACTCAGAACTGCTGCA 1508

QY 691 GCTGTGTATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGAC 750
DB 1509 GCTGTGTATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGAC 1568

QY 751 AGAAGCTGCTTAAACNGTCGTAGATGCCCTTCTGTCAGGGACTTGCATCATGAAGA 810
DB 1569 AGAAGCTGCTTAAACNGTCGTAGATGCCCTTCTGTCAGGGACTTGCATCATGAAGA 1628

QY 811 GGAATTAAGACTTGTGTAGTACCAAGCTCAAGAGCTCAAGAGTCAAGCAATTAAGA 870
DB 1629 GGAATTAAGACTTGTGTAGTACCAAGCTCAAGAGCTCAAGAGTCAAGCAATTAAGA 1688

QY 871 CACTACTGACATCAAGAGGAAGAAATTTGCAAGTTATAGTACAAAATTTGAAGATAA 930
DB 1689 CACTACTGACATCAAGAGGAAGAAATTTGCAAGTTATAGTACAAAATTTGAAGATAA 1748

QY 931 CAACAATAAGGTCTTCAGCTTACCGGAAATACCTTGTGGTTCTTAGATCAACATCTTT 990
DB 1749 CAACAATAAGGTCTTCAGCTTACCGGAAATACCTTGTGGTTCTTAGATCAACATCTTT 1808

QY 991 AAATTTACTTTCAAAATAAAAGCATGTAAGTGACTGTTTTTCAAGAGAAATGTTTTCAT 1050
DB 1809 AAATTTACTTTCAAAATAAAAGCATGTAAGTGACTGTTTTTCAAGAGAAATGTTTTCAT 1868

QY 1051 AAAAGGATATTATA 1065
DB 1869 AAAAGGATATTATA 1883
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RESULT 7
US-10-133-780-2
; Sequence 2, Application US/10133780
; Publication No. US20020123115A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: GENES ENCODING CASPASE RECRUITMENT
; DOMAIN POLYPEPTIDES
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/133,780
; FILING DATE: 26-Apr-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/019,942
; FILING DATE: 06-FEB-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/068001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1931 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-133-780-2

Query Match      43.8%; Score 731.8; DB 13; Length 1931;
Best Local Similarity 99.7%; Pred. No. 1.9e-143;
Matches 733; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 331 ACAGTTACAGAGTGTTCAGAGGCCATTCACCTATGTGCAACAAGAGAAAATGGAATTATC 390
DB 1149 AAGTTACAGAGTGTTCAGAGGCCATTCACCTATGTGCAACAAGAGAAAATGGAATTATC 1208

QY 391 TGTGAACATACCTGTTAAATCATGTGTCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 450
DB 1209 TGTGAACATACCTGTTAAATCATGTGTCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 1268

QY 451 TGAATAATAGTGTTCCTCGAACTTCAAGGTCCCTGCGAGTCTCTCAAGACAAATGATTT 510
DB 1269 TGAATAATAGTGTTCCTCGAACTTCAAGGTCCCTGCGAGTCTCTCAAGACAAATGATTT 1328

QY 511 TTTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGTGCATCACTGTCTGGAATAACA 570
DB 1329 TTTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGTGCATCACTGTCTGGAATAACA 1388

QY 571 CAGTTGGATAGACCACTTCTGGATCTCAAGGGGTGCTATCTGTGATCAAGACCAAC 630
DB 1389 CAGTTGGATAGACCACTTCTGGATCTCAAGGGGTGCTATCTGTGATCAAGACCAAC 1448

QY 631 TCCATGCTCTTCAAGCAATAATAATCACTCTCAACTCAGAGAACTCAGAACTGCTGCA 690
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Db 1449 TCATGCTCTTACGCAATAATAAATCACTCTCAACTGCGAGAAACTCAGAACGCTCTGCA 1508
Qy 691 GCCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGAC 750
Db 1509 GCCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGAC 1568
Qy 751 AGAAGCCTGCTTAAACAGTCGCTAGATGCGCTTCTGTCCAGGACTTGTATCATGAAAGA 810
Db 1569 AGAAGCCTGCTTAAACAGTCGCTAGATGCGCTTCTGTCCAGGACTTGTATCATGAAAGA 1628
Qy 811 GGACTATGAATTTAGTACCAAGCCTCAAGGACTCAAAAGTCAAGACATTTAGTATGCA 870
Db 1629 GGACTATGAATTTAGTACCAAGCCTCAAGGACTCAAAAGTCAAGACATTTAGTATGCA 1688
Qy 871 CACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAAATTTGAAAGATAA 930
Db 1689 CACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAAATTTGAAAGATAA 1748
Qy 931 CAAACAAATGGGTCTTACAGCCTTACCGGAAATACCTTGTGGTTCTAGATCAACATCTTT 990
Db 1749 CAAACAAATGGGTCTTACAGCCTTACCGGAAATACCTTGTGGTTCTAGATCAACATCTTT 1808
Qy 991 AAATTTACTTCAAAATAAAGCATGTAAGTGACTGTTTTCAGAGAAATGTTTTCAT 1050
Db 1809 AAATTTACTTCAAAATAAAGCATGTAAGTGACTGTTTTCAGAGAAATGTTTTCAT 1868
Qy 1051 AAAAGGATATTTATA 1065
Db 1869 AAAAGGATATTTATA 1883

RESULT 8

US-10-105-931-1
; Sequence 1, Application US/10105931
; Publication No. US20020150987A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
; FILE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 07334-076001
; CURRENT APPLICATION NUMBER: US/10/105,931
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER: 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (214)...(1833)
US-10-105-931-1

Query Match 43.8%; Score 731.8; DB 13; Length 1931;
Best Local Similarity 99.7%; Pred. No. 1.9e-143;
Matches 733; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 331 ACAGTTACAGAGTGTTCAGTGCCATTCACTTATGTGCAAGAGAAATGGAATATC 390
Db 1149 AAGTTACAGAGTGTTCAGTGCCATTCACTTATGTGCAAGAGAAATGGAATATC 1208
Qy 391 TCTGAACATACCTGTAAATCATGCTCCACAGAGGAATCATGTGGATCTCTCAGTCCA 450
Db 1209 TCTGAACATACCTGTAAATCATGCTCCACAGAGGAATCATGTGGATCTCTCAGTCCA 1268
Qy 451 TGAATATAGTGGTCTCTCCTGAACATTTCAAGGTCCTGCCAGTCTCTCAAGACATGATTT 510
Db 1269 TGAATATAGTGGTCTCTCCTGAACATTTCAAGGTCCTGCCAGTCTCTCAAGACATGATTT 1328

Qy 511 TTTATCTAGAAAGCTCAAGACTGTTATTTTATAGCTGCATCACTGCTCTGGAATCA 570
Db 1329 TTTATCTAGAAAGCTCAAGACTGTTATTTTATAGCTGCATCACTGCTCTGGAATCA 1388
Qy 571 CAGTTGGGATAGACCAATTTCTGGATCTCAAGGGCTGCATTTCTGTGATCACAAGACCAC 630
Db 1389 CAGTTGGGATAGACCAATTTCTGGATCTCAAGGGCTGCATTTCTGTGATCACAAGACCAC 1448
Qy 631 TCCATGCTCTTCCAGCAATAATAAATCACTCTCAACTGCGAGGAACTCAGAACGCTCTGCA 690
Db 1449 TCCATGCTCTTCCAGCAATAATAAATCACTCTCAACTGCGAGGAACTCAGAACGCTCTGCA 1508
Qy 691 GCCTGATATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGAC 750
Db 1509 GCCTGATATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGAC 1568
Qy 751 AGAAGCCTGCTTAAACAGTCCAGTGCCTTCTGTCCAGGACTTGTATCATGAAAGA 810
Db 1569 AGAAGCCTGCTTAAACAGTCCAGTGCCTTCTGTCCAGGACTTGTATCATGAAAGA 1628
Qy 811 GGACTATGAATTTAGTACCAAGCCTCAAGGACTCAAAAGTCAAGACATTTACTAGA 870
Db 1629 GGACTATGAATTTAGTACCAAGCCTCAAGGACTCAAAAGTCAAGACATTTACTAGA 1688
Qy 871 CACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAAATTTGAAAGATAA 930
Db 1689 CACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAAATTTGAAAGATAA 1748
Qy 931 CAAACAAATGGGTCTTACAGCCTTACCGGAAATACCTTGTGGTTCTAGATCAACATCTTT 990
Db 1749 CAAACAAATGGGTCTTACAGCCTTACCGGAAATACCTTGTGGTTCTAGATCAACATCTTT 1808
Qy 991 AAATTTACTTCAAAATAAAGCATGTAAGTGACTGTTTTCAGAGAAATGTTTTCAT 1050
Db 1809 AAATTTACTTCAAAATAAAGCATGTAAGTGACTGTTTTCAGAGAAATGTTTTCAT 1868
Qy 1051 AAAAGGATATTTATA 1065
Db 1869 AAAAGGATATTTATA 1883

RESULT 9

US-10-118-984-1
; Sequence 1, Application US/10118984
; Publication No. US20020197693A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY
; FILE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 07334/118001
; CURRENT APPLICATION NUMBER: US/10/118,984
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/245,281
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (214)...(1833)
US-10-118-984-1

Query Match 43.8%; Score 731.8; DB 13; Length 1931;
Best Local Similarity 99.7%; Pred. No. 1.9e-143;

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Matches 733; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 331 ACAGTTACAGAGTGTTCAGAGTGCATTCACCTATGTGACAAAGAAATGGAATATC 390
Db 1149 AAGTTACAGAGTGTTCAGAGTGCATTCACCTATGTGACAAAGAAATGGAATATC 1208
QY 391 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGATCCTCTCAGCTCA 450
Db 1209 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGATCCTCTCAGCTCA 1268
QY 451 TGAATAATAGTGTCTCTCTGAACTTCAAGGTCCCTGCGAGCTCCTCAAGCAATGATTT 510
Db 1269 TGAATAATAGTGTCTCTCTGAACTTCAAGGTCCCTGCGAGCTCCTCAAGCAATGATTT 1328
QY 511 TTTATCTAGAAAAGCTCAAGACTGTATTTATGAAGTGCATCATCTCTGGAATCA 570
Db 1329 TTTATCTAGAAAAGCTCAAGACTGTATTTATGAAGTGCATCATCTCTGGAATCA 1388
QY 571 CAGTTGGGATAGCACCATTTCTGGATCTCAAGGGCTGCATTTCTGTGATCAAGACCAC 630
Db 1389 CAGTTGGGATAGCACCATTTCTGGATCTCAAGGGCTGCATTTCTGTGATCAAGACCAC 1448
QY 631 TCCATGCTCTTCAAGCAATTAATCCACTCTCAAGTGCAGGAACTCAGAACTGTGCA 690
Db 1449 TCCATGCTCTTCAAGCAATTAATCCACTCTCAAGTGCAGGAACTCAGAACTGTGCA 1508
QY 691 GCTGTGTATAGCCAGCAGTGCATCCAGAGCAAAAGGGGAAGACATTTGAACTCAAG 750
Db 1509 GCTGTGTATAGCCAGCAGTGCATCCAGAGCAAAAGGGGAAGACATTTGAACTCAAG 1568
QY 751 AGAAGCTGCTTTACCACTGTAGATCCCTTCTGTCAGGGACTTGCATCATGAAGA 810
Db 1569 AGAAGCTGCTTTACCACTGTAGATCCCTTCTGTCAGGGACTTGCATCATGAAGA 1628
QY 811 GGAATATGAACCTTTAGTACCAAGCTTCAAGGACTCAAGGACTCAAGCAATTA 870
Db 1629 GGAATATGAACCTTTAGTACCAAGCTTCAAGGACTCAAGGACTCAAGCAATTA 1688
QY 871 CACTACTGATCCAAAGGAGAGAAATTCGCAAGTTATAGTACAAAAATGGAAGATA 930
Db 1689 CACTACTGATCCAAAGGAGAGAAATTCGCAAGTTATAGTACAAAAATGGAAGATA 1748
QY 931 CAAACAATGGGTCTTCAAGCTTACCCGGAATATCTGTGGTTCTAGATCACCATT 990
Db 1749 CAAACAATGGGTCTTCAAGCTTACCCGGAATATCTGTGGTTCTAGATCACCATT 1808
QY 991 AAATTTACTTCAAAATAAAGCATGTAAGTGAAGTGTCTTTTCAAGAGAAATGTGTT 1050
Db 1809 AAATTTACTTCAAAATAAAGCATGTAAGTGAAGTGTCTTTTCAAGAGAAATGTGTT 1868
QY 1051 AAAGGATATTTATA 1065
Db 1869 AAAGGATATTTATA 1883
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RESULT 10

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US-10-295-981-1
; Sequence 1, Application US/10295981
; Publication No. US20030120055A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/10/295,981
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US/09/340,620
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/245,281
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
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; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (214)...(1833)
US-10-295-981-1
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Query Match 43.8%; Score 731.8; DB 15; Length 1931;

Best Local Similarity 99.7%; Pred. No. 1.9e-143; Indels 0; Gaps 0; Matches 733; Conservative 0; Mismatches 2;

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QY 331 ACAGTTACAGAGTGTTCAGAGTGCATTCACCTATGTGACAAAGAAATGGAATATC 390
Db 1149 AAGTTACAGAGTGTTCAGAGTGCATTCACCTATGTGACAAAGAAATGGAATATC 1208
QY 391 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGATCCTCTCAGCTCA 450
Db 1209 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGATCCTCTCAGCTCA 1268
QY 451 TGAATAATAGTGTCTCTCTGAACTTCAAGGTCCCTGCGAGCTCCTCAAGCAATGATTT 510
Db 1269 TGAATAATAGTGTCTCTCTGAACTTCAAGGTCCCTGCGAGCTCCTCAAGCAATGATTT 1328
QY 511 TTTATCTAGAAAAGCTCAAGACTGTATTTATGAAGTGCATCATCTCTGGAATCA 570
Db 1329 TTTATCTAGAAAAGCTCAAGACTGTATTTATGAAGTGCATCATCTCTGGAATCA 1388
QY 571 CAGTTGGGATAGCACCATTTCTGGATCTCAAGGGCTGCATTTCTGTGATCAAGACCAC 630
Db 1389 CAGTTGGGATAGCACCATTTCTGGATCTCAAGGGCTGCATTTCTGTGATCAAGACCAC 1448
QY 631 TCCATGCTCTTCAAGCAATTAATCCACTCTCAAGTGCAGGAACTCAGAACTGTGCA 690
Db 1449 TCCATGCTCTTCAAGCAATTAATCCACTCTCAAGTGCAGGAACTCAGAACTGTGCA 1508
QY 691 GCTGTGTATAGCCAGCAGTGCATCCAGAGCAAAAGGGGAAGACATTTGAACTCAAG 750
Db 1509 GCTGTGTATAGCCAGCAGTGCATCCAGAGCAAAAGGGGAAGACATTTGAACTCAAG 1568
QY 751 AGAAGCTGCTTTACCACTGTAGATCCCTTCTGTCAGGGACTTGCATCATGAAGA 810
Db 1569 AGAAGCTGCTTTACCACTGTAGATCCCTTCTGTCAGGGACTTGCATCATGAAGA 1628
QY 811 GGAATATGAACCTTTAGTACCAAGCTTCAAGGACTCAAGGACTCAAGCAATTA 870
Db 1629 GGAATATGAACCTTTAGTACCAAGCTTCAAGGACTCAAGGACTCAAGCAATTA 1688
QY 871 CACTACTGATCCAAAGGAGAGAAATTCGCAAGTTATAGTACAAAAATGGAAGATA 930
Db 1689 CACTACTGATCCAAAGGAGAGAAATTCGCAAGTTATAGTACAAAAATGGAAGATA 1748
QY 931 CAAACAATGGGTCTTCAAGCTTACCCGGAATATCTGTGGTTCTAGATCACCATT 990
Db 1749 CAAACAATGGGTCTTCAAGCTTACCCGGAATATCTGTGGTTCTAGATCACCATT 1808
QY 991 AAATTTACTTCAAAATAAAGCATGTAAGTGAAGTGTCTTTTCAAGAGAAATGTGTT 1050
Db 1809 AAATTTACTTCAAAATAAAGCATGTAAGTGAAGTGTCTTTTCAAGAGAAATGTGTT 1868
QY 1051 AAAGGATATTTATA 1065
Db 1869 AAAGGATATTTATA 1883
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RESULT 11

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US-10-641-684
; Sequence 684, Application US/10641643
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	Publication No.	US20040077003A1
	GENERAL INFORMATION:	
	APPLICANT:	Cocks, Benjamin G. Susan G. Stuart Jeffrey J. Seilhamer
	TITLE OF INVENTION:	COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE EXPRESSION
	NUMBER OF SEQUENCES:	1508
	CORRESPONDENCE ADDRESS:	
	ADDRESSEE:	INCYTE PHARMACEUTICALS, INC.
	STREET:	3174 PORTER DRIVE
	CITY:	PALO ALTO
	STATE:	CALIFORNIA
	COUNTRY:	USA
	ZIP:	94304
	COMPUTER READABLE FORM:	
	MEDIUM TYPE:	Floppy disk
	COMPUTER:	IBM PC compatible
	OPERATING SYSTEM:	PC-DOS/MS-DOS
	SOFTWARE:	Word Perfect 6.1 for Windows/MS-DOS 6.2
	CURRENT APPLICATION DATA:	
	APPLICATION NUMBER:	US/10/641.643
	FILING DATE:	14-Aug-2003
	CLASSIFICATION:	<Unknown>
	PRIOR APPLICATION DATA:	
	APPLICATION NUMBER:	<Unknown>
	FILING DATE:	<Unknown>
	ATTORNEY/AGENT INFORMATION:	
	NAME:	Zeller, Karen J.
	REGISTRATION NUMBER:	37,071
	REFERENCE/DOCKET NUMBER:	PA-0001 US
	TELECOMMUNICATION INFORMATION:	
	TELEPHONE:	(650) 855-0555
	TELEFAX:	(650) 845-4166
	INFORMATION FOR SEQ ID NO:	684:
	SEQUENCE CHARACTERISTICS:	
	LENGTH:	1060 base pairs
	TYPE:	nucleic acid
	STRANDEDNESS:	single
	TOPOLOGY:	linear
	IMMEDIATE SOURCE:	
	LIBRARY:	MPHNOT03
	CLONE:	445186
	SEQUENCE DESCRIPTION:	SEQ ID NO: 684 :
	US-10-641-643-684	
	Query Match	41.7%; Score 695.4; DB 16; Length 1060;
	Best Local Similarity	99.7%; Pred. No. 6.4e-136;
	Matches	707; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
QY	331	ACAGTTTACAGAGTGTTTTCAAGTGCCATTCACCTATGTGACAAGAATAAAATGAATATC 390
DB	352	AAGTTTACAGAGTGTTTCAAGTGCCATTCACCTATGTGACAAGAAAATGGAAATATC 411
QY	391	TCTGAACATACCTGTAAATCATGTCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 450
DB	412	TCTGAACATACCTGTAAATCATGTCACAAGAGGAATCATGTGGATCTCTCAGCTCCA 471
QY	451	TGAATAA-TGTGGTTCCTCGTAACACTTCAGGTCCCCTGCCAGTCCCTCAAGAACATGATT 509
DB	472	TGAATAATAGTGGTTCCTCGTAACACTTCAGGTCCCCTGCCAGTCCCTCAAGAACATGATT 531
QY	510	TTTTTATCTAGAAAAAGCTCAAGACTGTTATTTTATGAAGCTGCATCACTGTCCTGGAAATC 569
DB	532	TTTTTATCTAGAAAAAGCTCAAGACTGTTATTTTATGAAGCTGCATCACTGTCCTGGAAATC 591
QY	570	ACAGTTGGGATAGCACCATTTCTGGATCTCAAAGGGCTGCATTTCTGTGATCAACAAGACCA 629
DB	592	ACAGTTGGGATAGCACCATTTCTGGATCTCAAAGGGCTGCATTTCTGTGATCAACAAGACCA 651
QY	630	CTCCATGCTCTTCAGCAATAATAAACCCTCACTCACTGAGGAACTCAGAACGTCGTGC 689
DB	652	CTCCATGCTCTTCAGCAATAATAAACCCTCACTCACTGAGGAACTCAGAACGTCGTGC 711

Db 1116 TTTATCTAGAAAAGCTCAAGACTGTTATTTTATGAGCTGCATCACTGTCCTGGAAATCA 1175
Qy 571 CAGTTGGGATGACACCATTTCTGGATCTCAAGGGCTGGATCTCTGTGATCACAAGACCAC 630
Db 1176 CAGTTGGGACGACACCATTTCTGGATCTCAAGGGCTGCATTTCTGTGATCACAAGACCAC 1235
Qy 631 TCCATGCTCTTCAGCAAAATAAATCCACTCTCAACTGTCAGGAAACTCAGAACGTCCTGCA 690
Db 1236 TCCATGCTCTTCAGCAAAATAAATCCACTCTCAACTGTCAGGAAACTCAGAACGTCCTGCA 1295
Qy 691 GCCTGGTATAGCCCGACGAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGAC 750
Db 1296 GCCTGGTATAGCCCGACGAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGAC 1355
Qy 751 AGAAGCCTGCTTAACCAAGTCTGATAGTCCCTTCTGTCCAGGAGCTTGTGATCAAGAAAGA 810
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Qy 811 GGACTATGAACCTTGTGTAGTACCAAGCTACAGGACCTCAAAAGTCAGACAATTTACTAGA 870
Db 1416 GGACTATGAACCTTGTGTAGTACCAAGCTACAGGACCTCAAAAGTCAGACAATTTACTAGA 1475
Qy 871 CACTACTGACATCCAAAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATAA 930
Db 1476 CACTACTGACATCCAAAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATAA 1535
Qy 931 CAAACAAATGGTCTTACGCTTACCCGGAAATACCTGTGTTTCTAGATCACCATCTTT 990
Db 1536 CAAACAAATGGTCTTACGCTTACCCGGAAATACCTGTGTTTCTAGATCACCATCTTT 1595
Qy 991 AAATTTACTTCAAAATAAAGCATGTAA 1018
Db 1596 AAATTTACTTCAAAATAAAGCATGTAA 1623

RESULT 13

US-10-342-887-957
; Sequence 957, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 957
; LENGTH: 1623
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-957

Query Match 41.0%; Score 684.8; DB 16; Length 1623;

Best Local Similarity 99.7%; Pred. No. 1.3e-133;

Matches 686; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 331 ACAGTTACAGAGTGTTCAGTGCCATTCACCTATGTGACAGAGAAATGGAATTATC 390
Db 936 AAGATTACAGAGTGTTCAGTGCCATTCACCTATGTGACAGAGAAATGGAATTATC 995

Qy 391 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGGATCCTCTCAGCTCCA 450
Db 996 TCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGGATCCTCTCAGCTCCA 1055
Qy 451 TGAATAATAGTGGTTCCTCTGAAACTTCAAGGTCCCTGCCAGCTCCTCAAGACAATGATTT 510
Db 1056 TGAATAATAGTGGTTCCTCTGAAACTTCAAGGTCCCTGCCAGCTCCTCAAGACAATGATTT 1115
Qy 511 TTTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGCTGCATCACTGTCCTGGAAATCA 570
Db 1116 TTTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGCTGCATCACTGTCCTGGAAATCA 1175
Qy 571 CAGTTGGGATAGCACCATTTCTGGATCTCAAGGGCTGATTTCTGTGATCACAAGACCAC 630
Db 1176 CAGTTGGGATAGCACCATTTCTGGATCTCAAGGGCTGATTTCTGTGATCACAAGACCAC 1235
Qy 631 TCCATGCTCTTTCAGCAATAAATAATCCACTCTCAACTGTCAGGAAACTCAGAACGTCCTGCA 690
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Db 1296 GCCTGGTATAGCCCGACGAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGAC 1355
Qy 751 AGAAGCCTGCTTAACCAAGTCTGATAGTCCCTTCTGTCCAGGAGCTTGTGATCAAGAAAGA 810
Db 1356 AGAAGCCTGCTTAACCAAGTCTGATAGTCCCTTCTGTCCAGGAGCTTGTGATCAAGAAAGA 1415
Qy 811 GGACTATGAACCTTGTGTAGTACCAAGCTTCAAGGACCTCAAAAGTCAGACAATTTACTAGA 870
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Qy 871 CACTACTGACATCCAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATAA 930
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Qy 931 CAAACAAATGGTCTTACGCTTACCCGGAAATACCTGTGTTTCTAGATCACCATCTTT 990
Db 1536 CAAACAAATGGTCTTACGCTTACCCGGAAATACCTGTGTTTCTAGATCACCATCTTT 1595
Qy 991 AAATTTACTTCAAAATAAAGCATGTAA 1018
Db 1596 AAATTTACTTCAAAATAAAGCATGTAA 1623

RESULT 14

US-09-728-721-3
; Sequence 3, Application US/09728721
; Patent No. US20020061845A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/09/728,721
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: 09/340,620
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1620
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-728-721-3

Query Match 40.9%; Score 681.8; DB 9; Length 1620;

Best Local Similarity 99.7%; Pred. No. 5.6e-133;

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Run on: January 28, 2005, 12:33:30 ; Search time 230.5 Seconds
(without alignments)
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Perfect score: 2880
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Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 3216122

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result Query

No.	Score	Match	Length	DB	ID	Description
1	1206	41.9	232	9	US-09-771-161A-93	Sequence 93, Appl
2	1182	41.0	540	9	US-09-771-161A-184	Sequence 184, App
3	1182	41.0	540	9	US-09-862-027-28	Sequence 28, Appl
4	1182	41.0	540	10	US-09-981-397A-14	Sequence 14, Appl
5	1182	41.0	540	17	US-10-825-282-36	Sequence 36, Appl
6	1182	41.0	544	9	US-09-925-301-1015	Sequence 1015, Ap
7	1176	40.8	540	9	US-09-748-537-1	Sequence 1, Appli
8	1176	40.8	540	9	US-09-728-721-2	Sequence 2, Appli
9	1176	40.8	540	13	US-10-133-780-1	Sequence 1, Appli
10	1176	40.8	540	13	US-10-105-931-2	Sequence 2, Appli
11	1176	40.8	540	13	US-10-118-984-2	Sequence 2, Appli
12	1176	40.8	540	14	US-10-295-981-2	Sequence 2, Appli
13	632	21.9	131	9	US-09-728-721-5	Sequence 5, Appli
14	632	21.9	131	13	US-10-105-931-5	Sequence 5, Appli
15	632	21.9	131	13	US-10-118-984-5	Sequence 5, Appli
16	632	21.9	131	14	US-10-295-981-5	Sequence 5, Appli
17	544	18.9	109	9	US-09-728-721-6	Sequence 6, Appli
18	544	18.9	109	13	US-10-105-931-6	Sequence 6, Appli
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20	544	18.9	109	14	US-10-295-981-6	Sequence 6, Appli
21	461	16.0	92	13	US-10-014-289-21	Sequence 21, Appl
22	461	16.0	92	13	US-10-002-974-21	Sequence 21, Appl
23	461	16.0	92	14	US-10-314-506-21	Sequence 21, Appl
24	451	15.7	90	9	US-09-841-879B-10	Sequence 10, Appl
25	451	15.7	90	16	US-10-756-097-10	Sequence 10, Appl
26	447	15.5	89	9	US-09-931-071-11	Sequence 11, Appl
27	149.5	5.2	109	9	US-09-728-721-71	Sequence 71, Appl
28	149.5	5.2	109	14	US-10-295-981-71	Sequence 71, Appl
29	143.5	5.0	95	9	US-09-841-879B-12	Sequence 12, Appl
30	143.5	5.0	95	16	US-10-756-097-12	Sequence 12, Appl
31	122.5	4.3	164	9	US-09-728-721-41	Sequence 41, Appl
32	122.5	4.3	164	13	US-10-118-984-41	Sequence 41, Appl
33	122.5	4.3	164	14	US-10-295-981-41	Sequence 41, Appl
34	122.5	4.3	249	9	US-09-728-721-39	Sequence 39, Appl
35	122.5	4.3	249	13	US-10-118-984-39	Sequence 39, Appl
36	122.5	4.3	249	14	US-10-295-981-39	Sequence 39, Appl
37	122.5	4.3	507	14	US-10-401-194-3	Sequence 3, Appli
38	122.5	4.3	953	9	US-09-728-721-8	Sequence 8, Appli
39	122.5	4.3	953	13	US-10-105-931-8	Sequence 8, Appli
40	122.5	4.3	953	13	US-10-118-984-8	Sequence 8, Appli
41	122.5	4.3	953	14	US-10-013-477-12	Sequence 12, Appl
42	122.5	4.3	953	14	US-10-295-981-8	Sequence 8, Appli
43	122.5	4.3	953	14	US-10-028-374-4	Sequence 4, Appli
44	122.5	4.3	953	14	US-10-183-770-4	Sequence 4, Appli
45	119	4.1	100	9	US-09-728-721-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-09-771-161A-93
; Sequence 93, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 93
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens


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; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; TITLE OF INVENTION: No. US20020142428A1el Kinases and Uses Thereof
; FILE REFERENCE: 35800/234862
; CURRENT APPLICATION NUMBER: US/09/862,027
; CURRENT FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: US 09/345,473
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-862-027-28

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Pred. No.: 2,08e-115 Length: 540
Score: 1182.00 Matches: 227
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.56% Mismatches: 0
Query Match: 41.04% Indels: 0
DB: 9 Gaps: 0

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313 LysLeuGlnSerValSerSerAlaIleHisLeuCyAspLysLysMetGluLeuSer 332
QY 392 CTGAACATACCTGTAATCATGTGTCCACAAAGAGGAATCATGTGCATCTCTCAGCTCCAT 451
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QY 452 GAAATAGTGGTCTCTCTGAACTTCAAGTCTCCTGCCAGCTCTCTCAAGACAATGATTTT 511
Db :|||GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 372
QY 512 TTATCTAGAAAAGCTCAAGACTGTATTTTATGAAGCTGCATCAGTCTCTCGGAAATCAC 571
Db :|||LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 392
QY 572 AGTTGGATAGCACCATTTCTGGATCTCAAAGGGCTGCATTTCTGTGATCACAAGACCCT 631
Db :|||SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThr 412
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RESULT 4

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US-09-981-397A-14
; Sequence 14, Application US/09981397A
; Publication No. US20030082519A1
; GENERAL INFORMATION:
; APPLICANT: Axxima Pharmaceuticals AG
; APPLICANT: Schubart, Daniel
; APPLICANT: Habenberger, Peter
; APPLICANT: Stein-Gerlach, Matthias
; APPLICANT: Bevec, Dorian
; TITLE OF INVENTION: Cellular Kinases Involved in Cytomegalovirus Infection and their
; TITLE OF INVENTION: Inhibition
; FILE REFERENCE: AXM-004.1 US
; CURRENT APPLICATION NUMBER: US/09/981,397A
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/240,750
; PRIOR FILING DATE: 2000-10-16
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-981-397A-14

Alignment Scores:
Pred. No.: 2,08e-115 Length: 540
Score: 1182.00 Matches: 227
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.56% Mismatches: 0
Query Match: 41.04% Indels: 0
DB: 10 Gaps: 0

US-09-771-161A-2 (1-1669) x US-09-981-397A-14 (1-540)
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313 LysLeuGlnSerValSerSerAlaIleHisLeuCyAspLysLysMetGluLeuSer 332
QY 392 CTGAACATACCTGTAATCATGTGTCCACAAAGAGGAATCATGTGCATCTCTCAGCTCCAT 451
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QY 452 GAAATAGTGGTCTCTCTGAACTTCAAGTCTCCTGCCAGCTCTCTCAAGACAATGATTTT 511
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QY 572 AGTTGGATAGCACCATTTCTGGATCTCAAAGGGCTGCATTTCTGTGATCACAAGACCCT 631
Db :|||SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThr 412
QY 632 CCATGCTCTTCACAATAATAATCCACTCTCAACTGCAGGAACTCAGAACCTCTGCAG 691
Db :|||ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 432
QY 692 CCTGGTATAGCCAGAGTGGATCCAGAGCAAAAGGGAAGACATTTGTAACCAAAATGACA 751
Db :|||ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 452
QY 752 GAAGCCTGCTTAAACAGTCGCTAGATGCCCTTCTGTCCAGGGACTTTGATCATGAAGAG 811
Db :|||GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 472
QY 812 GACTATGAACCTTGTAGTACCAAGCTTCAAGACCTCAAAAGCTCAGACAATTTACTAGAC 871
Db :|||AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 492
QY 872 ACTACTGACATCCAAAGAGAAGATTTGCCAAAGTTATAGTACAAAATTTGAAGATAAC 931
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Db 493 ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 512
Qy 932 AAACAAATGGTCTTCAGCCTTACCCGGAATACTTGTGGTTCTAGATCACCATCTTTA 991
Db 513 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 532
Qy 992 AATTACTTCAAAATAAAGCATG 1015
Db 533 AsnLeuLeuGlnAsnLysSerMet 540

RESULT 5
US-10-825-282-36
; Sequence 36, Application US/10825282
; Publication No. US20040224389A1
; GENERAL INFORMATION:
; APPLICANT: 3921-1-1-1
; TITLE OF INVENTION: VIRAL VECTORS ENCODING APOPTOSIS-INDUCING PROTEINS AND
; TITLE OF INVENTION: METHODS FOR MAKING AND USING THE SAME
; FILE REFERENCE: 3921-1-1-1
; CURRENT APPLICATION NUMBER: US/10/825,282
; PRIOR FILING DATE: 2004-04-14
; PRIOR APPLICATION NUMBER: US/09/456,357
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 60/134,416
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 09/087,195
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 08/378,507
; PRIOR FILING DATE: 1995-01-26
; PRIOR APPLICATION NUMBER: 08/250,478
; PRIOR FILING DATE: 1994-05-27
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-825-282-36

Alignment Scores:
Pred. No.: 2,08e-115 Length: 540
Score: 1182.00 Matches: 227
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.56% Mismatches: 0
Query Match: 41.04% Indels: 0
DB: 17 Gaps: 0

US-09-771-161A-2 (1-1669) x US-10-825-282-36 (1-540)
Qy 332 CAGTTACAGAGTGTTCAGTGCCATTCACTATGTGCAAGAGAAATGGAATTATCT 391
Db 313 LysLeuGlnSerValSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 332
Qy 392 CTGAACATACCTGTAATCATGTGTCACAGAGGAATCATGTGCATCCTCTCAGCTCCAT 451
Db 333 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerGlnLeuHis 352
Qy 452 GAAATAGTGGTCTCTCGAACTTCAGTCCCTCCAGCTCCTCTCAGACATGATTTT 511
Db 353 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 372
Qy 512 TTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGTGCATCACTGCTCGAAATCAC 571
Db 373 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 392
Qy 572 AGTTGGATGACACCATTTCTGGATCTCAAGGGCTGCATTCTGTGATCAACAAGACCAT 631
Db 393 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 412
Qy 632 CCATGCTCTCAGCAATAATAATCACTCTCACTGACAGAACTCAGAACCTCTGCGAG 691
Db 413 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 432
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Qy 692 CCTGGTATAGCCCGACAGTGGATCCAGAGCAAAAGGGAAGACATTGTGAACCAATGACA 751
Db 433 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 452
Qy 752 GAAGCCTGCCCTTAACCAAGTCCCTAGATGCCCTTCTGTCCAGGAGCTTGTATCATGAAGAG 811
Db 453 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 472
Qy 812 GACTATGAACCTTGTAGTACCAAGCCTTACAGGACCTCAAAAGTCAGACATTTACTAGAC 871
Db 473 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 492
Qy 872 ACTACTGACATCCCAAGGAGAGAATTTGCCAAAGTTATAGTACAAAAATTCGAAAGATAAC 931
Db 493 ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 512
Qy 932 AAACAAATGGTCTTCCAGCCTTACC CGGAAATACTTGTGGTTCTAGATCACCATCTTTA 991
Db 513 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 532
Qy 992 AATTACTTCAAAATAAAGCATG 1015
Db 533 AsnLeuLeuGlnAsnLysSerMet 540

RESULT 6
US-09-925-301-1015
; Sequence 1015, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1015
; LENGTH: 544
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-301-1015

Alignment Scores:
Pred. No.: 2,09e-115 Length: 544
Score: 1182.00 Matches: 227
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.56% Mismatches: 0
Query Match: 41.04% Indels: 0
DB: 9 Gaps: 0

US-09-771-161A-2 (1-1669) x US-09-925-301-1015 (1-544)
Qy 332 CAGTTACAGAGTGTTCAGTGCCATTCACTATGTGCAAGAGAAATGGAATTATCT 391
Db 317 LysLeuGlnSerValSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 336
Qy 392 CTGAACATACCTGTAATCATGTGTCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT 451
Db 337 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 356
Qy 452 GAAATAGTGGTCTCTCGAACTTCAGTCCCTCCAGCTCCTCCAGCTCCTCAAGACATGATTTT 511
Db 357 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 376
Qy 512 TTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGTGCATCACTGCTCGAAATCAC 571
Db 377 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 396
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QY 572 AGTTGGATAGCACCATTTCTGGATCTCAAGGGCTGTCATTTCTGTGATCAAGACCACT 631
Db SerTpaSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 416
QY 632 CCATGCTCTTCAGCAATAAATCACTCTCACTGACGAGAACTCAGAACCTCTGCAG 691
Db ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 436
QY 692 CCTGGTATAGCCAGCAGTGGATCCAGACAAAGGGAAGACATTTGTGAACCAAAATGACA 751
Db ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 456
QY 752 GAAGCTGCTTAAACAGTCGCTAGATGCCCTTCTGTCCAGGACCTGTGATCATGAAGAG 811
Db GluAlaCysLeuAsnGlnSerLeuAspAlaLeuSerArgAspLeuIleMetLysGlu 476
QY 812 GACTATGAACCTTGTAGTACCAAGCTTACCAAGGACCTCAAAAGTCAGACAAATTAGAC 871
Db AspTyrGlnLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 496
QY 872 ACTACTGACATCAAGGAGAGAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAAC 931
Db ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 516
QY 932 AAACAAATGGTCTTCAGCCTTACCCGGAATACTTGTGTGTTCTAGATCACCATCTTTA 991
Db LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 536
QY 992 AATTACTTCAAAATAAAGCATG 1015
Db AsnLeuLeuGlnAsnLysSerMet 544

RESULT 7

US-09-748-537-1
; Sequence 1, Application US/09748537
; Patent No. US20020061833A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; APPLICANT: Chao, Moses V.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILIE AND USES THERE
; FILE REFERENCE: 07334-316001
; CURRENT APPLICATION NUMBER: US/09/748,537
; PRIOR FILING DATE: 2000-12-26
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-748-537-1

Alignment Scores:
Pred. No.: 8,96e-115 Length: 540
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 40.83% Indels: 0
DB: 9 Gaps: 0

US-09-771-161A-2 (1-1669) x US-09-748-537-1 (1-540)

QY 332 CAGTTACAGAGTGTTCAGTGCATTCACCTATGTGACAAAGAAATGGAATATCT 391
Db LysLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 332
QY 392 CTGAACATCTGTAAATCATGTGTCACAGAGAAATCATGTGATCCTCTCAGTCCAT 451
Db LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 352

QY 452 GAAATAGTGGTCTCTCTGAAACTTCAAGTCCCTGCCAGCTCCTCAAGACAATGATTTT 511
Db GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 372
QY 512 TTATCTAGAAAAGCTCAAGACTGTGTTATTTTATGAAGCTGCATCCTGCTCTGAAATCAC 571
Db LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 392
QY 572 AGTTGGGATAGCACCATTTCTGGATCTCAAAAGGGCTGTCATTTCTGTGATCAAGACCACT 631
Db SerTpaSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrIle 412
QY 632 CCATGCTCTTCAACCAATAAATCACTCTCAACTGCAGGAACTCAGAACCTCTGCAG 691
Db ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 432
QY 692 CTGCTGATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAAAATGACA 751
Db ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 452
QY 752 GAAGCTGCTTAAACAGTCGCTAGATGCCCTTCTGTCCAGGACCTGTGATCATGAAGAG 811
Db GluAlaCysLeuAsnGlnSerLeuAspAlaLeuSerArgAspLeuIleMetLysGlu 472
QY 812 GACTATGAACCTTGTAGTACCAAGCTTACCAAGGACCTCAAAAGTCAGACAAATTAGAC 871
Db AspTyrGlnLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 492
QY 872 ACTACTGACATCAAGGAGAGAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAAC 931
Db ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 512
QY 932 AAACAAATGGTCTTCAGCCTTACCCGGAATACTTGTGTGTTCTAGATCACCATCTTTA 991
Db LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 532
QY 992 AATTACTTCAAAATAAAGCATG 1015
Db AsnLeuLeuGlnAsnLysSerMet 540

RESULT 8

US-09-728-721-2
; Sequence 2, Application US/09728721
; Patent No. US20020061845A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/09/728,721
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: 09/340,620
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-728-721-2

Alignment Scores:
Pred. No.: 8,96e-115 Length: 540
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 40.83% Indels: 0
DB: 9 Gaps: 0


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Db 513 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 532
QY 992 AATTACTTCAAAATAAAGCATG 1015
Db 533 AsnLeuLeuGlnAsnLysSerMet 540

RESULT 10
US-10-105-931-2
; Sequence 2, Application US/10105931
; Publication No. US20020150987A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 07334-076001
; CURRENT APPLICATION NUMBER: US/10/105,931
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER: 09/099,941
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-105-931-2

Alignment Scores:
Pred. No.: 8,96e-115 Length: 540
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservatives: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 40.83% Indels: 0
DB: 13 Gaps: 0

US-09-771-161A-2 (1-1669) x US-10-105-931-2 (1-540)
QY 332 CAGTTACAGAGTGTTCAGTGCCATTCACTATGTGACAAAGAAATGGAATATCT 391
Db 313 LysLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 332
QY 392 CTGAACATACCTGTAAATCATGTGCCAAGAGGAATCATGTGCATCCTCAGCTCCAT 451
Db 333 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerGlnLeuHis 352
QY 452 GAAATATAGTGGTCTCTCTGAAACTTCAAGTCCCTGCCAGCTCCTCAAGACAAATGATTTT 511
Db 353 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 372
QY 512 TTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGCTGCATCAGTCTCGAATATCT 571
Db 373 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 392
QY 572 AGTTGGATAGCACCATTCTCGATCTCAAGGGCTGCATTCGTGATCATCAGACCACT 631
Db 393 SerTrpAspSerThrIleSerGlySerGlnArgAlaPheCysAspHisLysThrIle 412
QY 632 CCATGCTCTTCAGCAATAATAAATCCACTTCAAGTCCCTGCCAGCTCCTCAAGACAAATGATTTT 511
Db 413 ProCysSerSerAlaIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 432
QY 692 CTGTGTATACCCAGAGTGGATCCAGACAAAGGGAAGACATTTGTGAACCAAAATGACA 751
Db 433 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 452
QY 752 GAAGCTGCTTAAACAGTCGTAGATGCCCTCTCTGTCAGGGACTTGATCATGAAGAG 811
Db 453 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 472
QY 812 GACTATGAACCTTGTAGTACCAAGCCTTACAAGGACCTCAAAAGCTCAGACAAATTAAGAC 871
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Db 473 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 492
QY 872 ACTACTGACATCAAGGAGAAGATTTGCCAAAGTTATAGTACAAAATTTGAAGATAAC 931
Db 493 ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 512
QY 932 AAACAAATGGTCTTCAGCCTTACCCGAAATACTTGTGTTCTAGATCACCATCTTTA 991
Db 513 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 532
QY 992 AATTACTTCAAAATAAAGCATG 1015
Db 533 AsnLeuLeuGlnAsnLysSerMet 540

RESULT 11
US-10-118-984-2
; Sequence 2, Application US/10118984
; Publication No. US20020197693A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 07334/118001
; CURRENT APPLICATION NUMBER: US/10/118,984
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/245,281
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/207,359
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/099,041
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/019,942
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-118-984-2

Alignment Scores:
Pred. No.: 8,96e-115 Length: 540
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservatives: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 40.83% Indels: 0
DB: 13 Gaps: 0

US-09-771-161A-2 (1-1669) x US-10-118-984-2 (1-540)
QY 332 CAGTTACAGAGTGTTCAGTGCCATTCACTATGTGACAAAGAAATGGAATATCT 391
Db 313 LysLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 332
QY 392 CTGAACATACCTGTAAATCATGTGCCAAGAGGAATCATGTGCATCCTCAGCTCCAT 451
Db 333 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerGlnLeuHis 352
QY 452 GAAATATAGTGGTCTCTCTGAAACTTCAAGTCCCTGCCAGCTCCTCAAGACAAATGATTTT 511
Db 353 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 372
QY 512 TTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGCTGCATCAGTCTCGAATATCT 571
Db 373 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 392
QY 572 AGTTGGATAGCACCATTCTCGATCTCAAGGGCTGCATTCGTGATCATCAGACCACT 631
Db 393 SerTrpAspSerThrIleSerGlySerGlnArgAlaPheCysAspHisLysThrIle 412
QY 632 CCATGCTCTTCAGCAATAATAAATCCACTTCAAGTCCCTGCCAGCTCCTCAGACCACT 691
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Db 413 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 432
QY 692 CTGGTATAGCCAGAGTGGATCCAGAGCAAAAGGAGACATTTGTGAACCAATGACA 751
Db 433 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 452
QY 752 GAAGCCTGGCTTAACAGTCGCTAGATGCCCTCTCTCCAGGACTTGATCATGAAGAG 811
Db 453 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 472
QY 812 GACTATGAACTTGTAGTACCAAGCCTACAAGGACCTCAAAAGTCAGACAATTTACTAGAC 871
Db 473 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 492
QY 872 ACTACTGACATCCAAAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATAAC 931
Db 493 ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 512
QY 932 AACCAATGGCTTCCAGCTTACCCGGAATACTTGTGGTTCTAGATCACCATCTTTA 991
Db 513 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 532
QY 992 AATTACTTCAAAATAAAGCATG 1015
Db 533 AsnLeuLeuGlnAsnLysSerMet 540

RESULT 12

US-10-295-981-2
; Sequence 2, Application US/10295981
; Publication No. US20030120055A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/10/295,981
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US/09/340,620
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/245,281
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-981-2

Alignment Scores:
Pred. No.: 8,96e-115 Length: 540
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 40.83% Indels: 0
DB: 14 Gaps: 0

US-09-771-161A-2 (1-1669) x US-10-295-981-2 (1-540)

QY 332 CAGTTACAGAGTGTTCCTGATGCGCATTCACCTATGTGACAAAGAAATGAATATCT 391
Db 313 LysLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 332
QY 392 CTGAACATACCTGTAAATCATGTCACAGAGGAATCATGTGGATCTCTCAGCTCCAT 451
Db 333 LeuAsnIleProValAsnHisGlyProGlnGluGluSerCysGlySerGlnLeuHis 352

QY 452 GAAATAGTGGTTCCTCGAARCTTCAAGGTCCCTGCCAGCTCCTCAAGACAAATGATTT 511
Db 353 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 372
QY 512 TTATCTAGAAAAAGCTCAAGACTGTTATTTTATGAAGCTGCATCACTGTCTCTGGAATCAC 571
Db 373 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 392
QY 572 AGTTGGATAGACCACTTTCTGGATCTCAAAGGGTGCATTTCTGTGATCACAAGACCCT 631
Db 393 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrIle 412
QY 632 CCATCTCTTCACCAATAATAATCACTCTCAACTGCAGGAACTCAGAACGTCTGCAG 691
Db 413 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 432
QY 692 CTGTGTATAGCCCAAGCAGTGGATCCAGAGCAAAAGGAGACATTTGTGAACCAATGACA 751
Db 433 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 452
QY 752 GAAGCCTGGCTTAACAGTCGCTAGATGCCCTTCTGTCCAGGACTTGATCATGAAGAG 811
Db 453 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 472
QY 812 GACTATGAACTTGTAGTACCAAGCCTACAAGGACCTCAAAAGTTATAGTACAAAATTTGAAAGATAAC 871
Db 473 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 492
QY 872 ACTACTGACATCCAAAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATAAC 931
Db 493 ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 512
QY 932 AAACAAATGGGTCTTCAGCCTTACCCGGAATACTTGTGGTTCTAGATCACCATCTTTA 991
Db 513 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 532
QY 992 AATTACTTCAAAATAAAGCATG 1015
Db 533 AsnLeuLeuGlnAsnLysSerMet 540

RESULT 13

US-09-728-721-5
; Sequence 5, Application US/09728721
; Patent No. US20020061845A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/09/728,721
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: 09/340,620
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-728-721-5

Alignment Scores:
Pred. No.: 1,66e-57 Length: 131
Score: 632.00 Matches: 117
Percent Similarity: 99.16% Conservative: 1
Best Local Similarity: 98.32% Mismatches: 1
Query Match: 21.94% Indels: 0
DB: 9 Gaps: 0

Tue Feb 1 09:12:07 2005

us-09-771-161a-2.rapb

Page 10

Search completed: January 28, 2005, 13:08:10
Job time : 243.5 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 28, 2005, 12:37:13 ; Search time 39 Seconds
(without alignments)
394.507 Million cell updates/sec

Title: US-09-771-161A-93

Perfect score: 1206

Sequence: 1 MYSLQLQSVSSAIHLCDKKK.....PEILVVSRSPLNLLQNKSM 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/prodata/1/iaa/5A COMB.pap.*
- 2: /cgn2_6/prodata/1/iaa/5B COMB.pap.*
- 3: /cgn2_6/prodata/1/iaa/6A COMB.pap.*
- 4: /cgn2_6/prodata/1/iaa/6B COMB.pap.*
- 5: /cgn2_6/prodata/1/iaa/PCTUS COMB.pap.*
- 6: /cgn2_6/prodata/1/iaa/backfiles1.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1182	98.0	284	3	US-09-069-023-5 Sequence 5, Appli
2	1182	98.0	478	3	US-09-069-023-4 Sequence 4, Appli
3	1182	98.0	530	3	US-09-069-023-3 Sequence 3, Appli
4	1182	98.0	531	3	US-09-069-023-1 Sequence 1, Appli
5	1182	98.0	540	3	US-09-069-023-27 Sequence 27, Appli
6	1182	98.0	540	4	US-09-345-473B-28 Sequence 28, Appli
7	1176	97.5	540	3	US-09-019-942-1 Sequence 1, Appli
8	1176	97.5	540	3	US-09-099-041A-2 Sequence 2, Appli
9	1176	97.5	540	3	US-09-245-281-2 Sequence 2, Appli
10	1176	97.5	540	4	US-09-470-271-1 Sequence 1, Appli
11	1176	97.5	540	4	US-09-207-359B-2 Sequence 2, Appli
12	1176	97.5	540	4	US-09-340-620A-2 Sequence 2, Appli
13	1176	97.5	540	4	US-09-865-364-2 Sequence 2, Appli
14	1176	97.5	540	4	US-09-748-537-1 Sequence 1, Appli
15	867	71.9	167	3	US-09-069-023-6 Sequence 6, Appli
16	632	52.4	131	3	US-09-099-041A-5 Sequence 5, Appli
17	632	52.4	131	3	US-09-245-281-5 Sequence 5, Appli
18	632	52.4	131	4	US-09-207-359B-5 Sequence 5, Appli
19	632	52.4	131	4	US-09-340-620A-5 Sequence 5, Appli
20	632	52.4	131	4	US-09-865-364-5 Sequence 5, Appli
21	548	45.4	110	4	US-09-207-359B-6 Sequence 6, Appli
22	548	45.4	110	4	US-09-865-364-6 Sequence 6, Appli
23	544	45.1	109	3	US-09-099-041A-6 Sequence 6, Appli
24	544	45.1	109	3	US-09-245-281-6 Sequence 6, Appli
25	544	45.1	109	4	US-09-340-620A-6 Sequence 6, Appli
26	451	37.4	90	4	US-09-841-879B-10 Sequence 10, Appli
27	149.5	12.4	109	4	US-09-340-620A-71 Sequence 71, Appli

28	143.5	11.9	95	4	US-09-841-879B-12 Sequence 12, Appli
29	122.5	10.2	164	3	US-09-245-281-41 Sequence 41, Appli
30	122.5	10.2	164	4	US-09-207-359B-41 Sequence 41, Appli
31	122.5	10.2	164	4	US-09-340-620A-41 Sequence 41, Appli
32	122.5	10.2	164	4	US-09-865-364-41 Sequence 41, Appli
33	122.5	10.2	249	3	US-09-245-281-39 Sequence 39, Appli
34	122.5	10.2	249	4	US-09-207-359B-39 Sequence 39, Appli
35	122.5	10.2	249	4	US-09-340-620A-39 Sequence 39, Appli
36	122.5	10.2	249	4	US-09-865-364-39 Sequence 39, Appli
37	122.5	10.2	409	4	US-09-207-359B-46 Sequence 46, Appli
38	122.5	10.2	409	4	US-09-865-364-46 Sequence 46, Appli
39	122.5	10.2	953	3	US-09-099-041A-8 Sequence 8, Appli
40	122.5	10.2	953	3	US-09-245-281-8 Sequence 8, Appli
41	122.5	10.2	953	4	US-09-207-359B-8 Sequence 8, Appli
42	122.5	10.2	953	4	US-09-340-620A-8 Sequence 8, Appli
43	122.5	10.2	953	4	US-09-865-364-8 Sequence 8, Appli
44	119	9.9	100	3	US-09-099-041A-10 Sequence 10, Appli
45	119	9.9	100	3	US-09-245-281-10 Sequence 10, Appli

ALIGNMENTS

RESULT 1

US-09-069-023-5
; Sequence 5, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-069-023-5

Query Match	98.0%	Score 1182;	DB 3;	Length 284;
Best Local Similarity	99.6%	Pred. No. 2.3e-125;	Mismatches 0;	Indels 0;
Matches	227;	Conservative 1;	0;	Gaps 0;
QY	5	QLQSVSSAIHLCDKKKMLSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF	64	
Db	57	KLQSVSSAIHLCDKKKMLSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF	116	
QY	65	LSRKQDCYFMKLHCPGNHSDWSTISGSQRAAFCDHKTTPCSSLINPLSTAGNSERLQ	124	
Db	117	LSRKQDCYFMKLHCPGNHSDWSTISGSQRAAFCDHKTTPCSSLINPLSTAGNSERLQ	176	
QY	125	PGIAQOWIOSKREDIVNQMTACLQSLDALLSRDLIMKEDYELVSTKTRTSKVRQLLD	184	
Db	177	PGIAQOWIOSKREDIVNQMTACLQSLDALLSRDLIMKEDYELVSTKTRTSKVRQLLD	236	
QY	185	TTDIOGEEFAKIVIVQKLKDNKQMGLOPYPEILVWSRSPSLNLLQNKSM	232	
Db	237	TTDIOGEEFAKIVIVQKLKDNKQMGLOPYPEILVWSRSPSLNLLQNKSM	284	

RESULT 2

US-09-069-023-4
; Sequence 4, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-069-023-4

Query Match 98.0%; Score 1182; DB 3; Length 478;
Best Local Similarity 99.6%; Pred. No. 5.2e-125;
Matches 227; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 64
:|||||
DB 251 KLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 310
:|||||

QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
:|||||
DB 311 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPCSSAIINPLSTAGNSERLQ 370
:|||||

QY 125 PGIAQOWIQSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
:|||||
DB 371 PGIAQOWIQSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 430
:|||||

QY 185 TTDIOGEEFAKVIQVKLKNQKQMGLOPYPEILVVSRSPLNLLQNKSM 232
:|||||
DB 431 TTDIOGEEFAKVIQVKLKNQKQMGLOPYPEILVVSRSPLNLLQNKSM 478
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RESULT 3
US-09-069-023-3
; Sequence 3, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-069-023-3

Query Match 98.0%; Score 1182; DB 3; Length 530;
Best Local Similarity 99.6%; Pred. No. 6.1e-125;
Matches 227; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 64
:|||||
DB 303 KLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 362
:|||||

QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
:|||||
DB 363 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPCSSAIINPLSTAGNSERLQ 422
:|||||

QY 125 PGIAQOWIQSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
:|||||
DB 423 PGIAQOWIQSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 482
:|||||

QY 185 TTDIOGEEFAKVIQVKLKNQKQMGLOPYPEILVVSRSPLNLLQNKSM 232
:|||||
DB :|||||

Db 483 TTDIOGEEFAKVIQVKLKNQKQMGLOPYPEILVVSRSPLNLLQNKSM 530
:|||||

RESULT 4
US-09-069-023-1
; Sequence 1, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-069-023-1

Query Match 98.0%; Score 1182; DB 3; Length 531;
Best Local Similarity 99.6%; Pred. No. 6.1e-125;
Matches 227; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 64
:|||||
DB 304 KLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 363
:|||||

QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
:|||||
DB 364 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPCSSAIINPLSTAGNSERLQ 423
:|||||

QY 125 PGIAQOWIQSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
:|||||
DB 424 PGIAQOWIQSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 483
:|||||

QY 185 TTDIOGEEFAKVIQVKLKNQKQMGLOPYPEILVVSRSPLNLLQNKSM 232
:|||||
DB 484 TTDIOGEEFAKVIQVKLKNQKQMGLOPYPEILVVSRSPLNLLQNKSM 531
:|||||

RESULT 5
US-09-069-023-27
; Sequence 27, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-069-023-27

Query Match 98.0%; Score 1182; DB 3; Length 540;
Best Local Similarity 99.6%; Pred. No. 6.3e-125;
Matches 227; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 64
:|||||
DB 313 KLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 372
:|||||

Qy	65	L	R	K	A	Q	C	Y	F	M	K	L	H	H	C	P	G	N	H	S	D	S	T	I	S	G	S	R	A	F	C	D	H	K	T	T	P	C	S	A	I	N	P	L	S	T	A	G	N	S	E	R	I	Q	124				
Db	373	L	R	K	A	Q	C	Y	F	M	K	L	H	H	C	P	G	N	H	S	D	S	T	I	S	G	S	R	A	F	C	D	H	K	T	T	P	C	S	A	I	N	P	L	S	T	A	G	N	S	E	R	I	Q	432				
Qy	125	P	G	I	A	Q	O	W	I	O	S	K	R	E	D	I	V	N	O	M	T	E	A	C	L	N	O	S	L	D	L	S	R	D	L	I	M	K	E	D	Y	E	L	V	S	T	K	P	R	T	S	K	V	R	Q	L	L	D	184
Db	433	P	G	I	A	Q	O	W	I	O	S	K	R	E	D	I	V	N	O	M	T	E	A	C	L	N	O	S	L	D	L	S	R	D	L	I	M	K	E	D	Y	E	L	V	S	T	K	P	R	T	S	K	V	R	Q	L	L	D	492
Qy	185	T	T	I	D	I	O	G	E	E	F	A	K	I	V	I	O	K	L	K	N	O	K	M	G	L	O	P	E	P	E	L	V	T	V	S	R	P	S	N	L	N	L	O	N	K	S	M	232										
Db	493	T	T	I	D	I	O	G	E	E	F	A	K	I	V	I	O	K	L	K	N	O	K	M	G	L	O	P	E	P	E	L	V	T	V	S	R	P	S	N	L	N	L	O	N	K	S	M	540										

RESULT 9

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US-09-245-281-2
; Sequence 2, Application US/09245281
; Patent No. 6369196
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 07134/118001
; CURRENT APPLICATION NUMBER: US/09/245,281
; CURRENT FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: US 09/207,359
; EARLIER FILING DATE: 1998-12-08
; EARLIER APPLICATION NUMBER: US 09/099,041
; EARLIER FILING DATE: 1998-06-17
; EARLIER APPLICATION NUMBER: US 09/019,942
; EARLIER FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-245-281-2

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Query Match	97.5%	Score 1176;	DB 3;	Length 540;
Best Local Similarity	99.1%;	Pred. No. 3e-124;		
Matches 226;	Conservative 1;	Mismatches 1;	Indels 0;	Gaps 0;
Qy	5	QLQSVSAIHLCDKKQWELSLNI	PVNHGPOEESCGSQLHENS	SGPSTRSLPAPQNDP 64
Db	313	KLQSVSAIHLCDKKQWELSLNI	PVNHGPOEESCGSQLHENS	SGPSTRSLPAPQNDP 372
Qy	65	LSRKAQDCYFWMKLHCPGNHS	WDSTISGSQRAAFCDHKHTP	CCSAIINPLTAGNSRLQ 124
Db	373	LSRKAQDCYFWMKLHCPGNHS	WDSTISGSQRAAFCDHKHTP	CCSAIINPLTAGNSRLQ 432
Qy	125	PGTAAQMTQSKREDIVNQMT	EACLNQSLDALLSRDLIMK	EDYELVSTKPTSKVRLLD 184
Db	433	PGTAAQMTQSKREDIVNQMT	EACLNQSLDALLSRDLIMK	EDYELVSTKPTSKVRLLD 492
Qy	185	TTDIQGBEFKAVIVQKLKDN	KQMGLOPYEILVVS	PSLNLQKSM 232
Db	493	TTDIQGBEFKAVIVQKLKDN	KQMGLOPYEILVVS	PSLNLQKSM 540

RESIST 10

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US-09-470-271-1
; Sequence 1, Application US/09470271
; Patent No. 6410689
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: GENES ENCODING CASPASE RECRUITMENT
; TITLE OF INVENTION: DOMAIN POLYPEPTIDES
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA

```

```

? COUNTRY: USA
? ZIP: 02110-2804
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Diskette
? COMPUTER: IBM Compatible
? OPERATING SYSTEM: Windows 95
? SOFTWARE: FastSeq for Windows Version 2.0b
? CURRENT APPLICATION DATA:
? FILING DATE: US/09/470,271
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 09/019,942
? FILING DATE:
? ATTORNEY/AGENT INFORMATION:
? NAME: Meiklejohn, Ph.D., Anita L.
? REGISTRATION NUMBER: 35,283
? REFERENCE/DOCKET NUMBER: 07334/068001
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 617/542-5070
? TELEFAX: 617/542-8906
? TELEX: 200154
? INFORMATION FOR SEQ ID NO: 1:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 540 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? US-09-470-271-1

Query Match 97.5%; Score 1176; DB 4; Length 540;
Best Local Similarity 99.1%; Pred. No. 3e-124;
Matches 226; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 5 QLQSVSSAIHLCDKKXWELSLNIPVNHGPQEECGSSQLHENGSPETSRSLPAPQDNDF 64
Db 313 KLQSVSSAIHLCDKKXWELSLNIPVNHGPQEECGSSQLHENGSPETSRSLPAPQDNDF 372
Qy 65 LSRKAQDCYPMKLHCHPGNHSWSTTSGSORAAFCDHKTTPCSSAIINPLSTAGNSRLQ 124
Db 373 LSRKAQDCYPMKLHCHPGNHSWSTTSGSORAAFCDHKTTPCSSAIINPLSTAGNSRLQ 432
Qy 125 PGIAQQWIOSKREDIVNQMTTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
Db 433 PGIAQQWIOSKREDIVNQMTTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492
Qy 185 TTDIQGEFAKVIQKLNKQNGLOPYPEILVVSRSPSLNLLQNSM 232
Db 493 TTDIQGEFAKVIQKLNKQNGLOPYPEILVVSRSPSLNLLQNSM 540

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RESIST 11

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US-09-207-359B-2
; Sequence 2, Application US/09207359B
; Patent No. 6469140
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 07334-112001
; CURRENT APPLICATION NUMBER: US/09/207,359B
; CURRENT FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-207-359B-2

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Query Match 97.5%; Score 1176; DB 4; Length 540;
Best Local Similarity 99.1%; Pred. No. 3e-124;
Matches 226; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENGSGSPETSRLPAPQDNDF 64
:|||||
DB 313 KLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENGSGSPETSRLPAPQDNDF 372
:|||||
QY 65 LSRKAQDCYFMKLHHCPCGNHWSWDTTSGSQRAAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
:|||||
DB 373 LSRKAQDCYFMKLHHCPCGNHWSWDTTSGSQRAAAFCDHKTTPCSSAIINPLSTAGNSERLQ 432
:|||||
QY 125 PGIAQQWIOSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
:|||||
DB 433 PGIAQQWIOSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492
:|||||
QY 185 TTIOGEEFAKVIQKLDKNQKMGLOPYPEILVVSRSPLNLLQNKSM 232
:|||||
DB 493 TTIOGEEFAKVIQKLDKNQKMGLOPYPEILVVSRSPLNLLQNKSM 540
:|||||

RESULT 12
US-09-340-620A-2.
; Sequence 2, Application US/09340620A
; Patent No. 6482933
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/09/340,620A
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/245,281
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-340-620A-2

Query Match 97.5%; Score 1176; DB 4; Length 540;
Best Local Similarity 99.1%; Pred. No. 3e-124;
Matches 226; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENGSGSPETSRLPAPQDNDF 64
:|||||
DB 313 KLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENGSGSPETSRLPAPQDNDF 372
:|||||
QY 65 LSRKAQDCYFMKLHHCPCGNHWSWDTTSGSQRAAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
:|||||
DB 373 LSRKAQDCYFMKLHHCPCGNHWSWDTTSGSQRAAAFCDHKTTPCSSAIINPLSTAGNSERLQ 432
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QY 125 PGIAQQWIOSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
:|||||
DB 433 PGIAQQWIOSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492
:|||||
QY 185 TTIOGEEFAKVIQKLDKNQKMGLOPYPEILVVSRSPLNLLQNKSM 232
:|||||
DB 493 TTIOGEEFAKVIQKLDKNQKMGLOPYPEILVVSRSPLNLLQNKSM 540
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RESULT 13
US-09-865-364-2
; Sequence 2, Application US/09865364
; Patent No. 6613521
; GENERAL INFORMATION:

APPLICANT: Bertin, John
TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
FILE REFERENCE: 07334-112001
CURRENT APPLICATION NUMBER: US/09/865,364
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 09/207,359
PRIOR FILING DATE: 1998-12-08
PRIOR APPLICATION NUMBER: US 09/099,041
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: US 09/019,942
PRIOR FILING DATE: 1998-02-06
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 540
TYPE: PRT
ORGANISM: Homo sapiens
US-09-865-364-2

Query Match 97.5%; Score 1176; DB 4; Length 540;
Best Local Similarity 99.1%; Pred. No. 3e-124; 1; Indels 0; Gaps 0;
Matches 226; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENGSGSPETSRLPAPQDNDF 64
:|||||
DB 313 KLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENGSGSPETSRLPAPQDNDF 372
:|||||
QY 65 LSRKAQDCYFMKLHHCPCGNHWSWDTTSGSQRAAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
:|||||
DB 373 LSRKAQDCYFMKLHHCPCGNHWSWDTTSGSQRAAAFCDHKTTPCSSAIINPLSTAGNSERLQ 432
:|||||
QY 125 PGIAQQWIOSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
:|||||
DB 433 PGIAQQWIOSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492
:|||||
QY 185 TTIOGEEFAKVIQKLDKNQKMGLOPYPEILVVSRSPLNLLQNKSM 232
:|||||
DB 493 TTIOGEEFAKVIQKLDKNQKMGLOPYPEILVVSRSPLNLLQNKSM 540
:|||||

RESULT 14
US-09-748-537-1
; Sequence 1, Application US/09748537
; Patent No. 6680167
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; APPLICANT: Chao, Moses V.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-316001
; CURRENT APPLICATION NUMBER: US/09/748,537
; CURRENT FILING DATE: 2000-12-26
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-748-537-1

Query Match 97.5%; Score 1176; DB 4; Length 540;
Best Local Similarity 99.1%; Pred. No. 3e-124;
Matches 226; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENGSGSPETSRLPAPQDNDF 64
:|||||
DB 313 KLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENGSGSPETSRLPAPQDNDF 372
:|||||
QY 65 LSRKAQDCYFMKLHHCPCGNHWSWDTTSGSQRAAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
:|||||

Db 373 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTIPCSSAIINPLSTAGNSERLQ 432
QY 125 PGIAQOWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
Db 433 PGIAQOWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492
QY 185 TDIQGEFEFAKVIQKLDKNQKMGLOPYPEILVVSRSPSLNLLQKSM 232
Db 493 TDIQGEFEFAKVIQKLDKNQKMGLOPYPEILVVSRSPSLNLLQKSM 540

RESULT 15
US-09-069-023-6
; Sequence 6, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069, 023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 167
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-069-023-6

Query Match 71.9%; Score 867; DB 3; Length 167;
Best Local Similarity 100.0%; Pred. No. 4.9e-90;
Matches 167; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 66 SRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTIPCSSAIINPLSTAGNSERLQ 125
Db 1 SRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTIPCSSAIINPLSTAGNSERLQ 60
QY 126 GIAQOWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 185
Db 61 GIAQOWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 120
QY 186 TDIQGEFEFAKVIQKLDKNQKMGLOPYPEILVVSRSPSLNLLQKSM 232
Db 121 TDIQGEFEFAKVIQKLDKNQKMGLOPYPEILVVSRSPSLNLLQKSM 167

Search completed: January 28, 2005, 13:08:45
Job time : 40 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 28, 2005, 13:00:33 ; Search time 146 Seconds
(without alignments)
574.104 Million cell updates/sec

Title: US-09-771-161A-93

Perfect score: 1206

Sequence: 1 MYSLQSQVSSAIHLCDKKK.....PEILVVSRSPLNLQKSM 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 segs, 361289386 residues

Total number of hits satisfying chosen parameters: 1608061

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/prodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/prodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/prodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/prodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/prodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/prodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/prodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/prodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/prodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/prodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/prodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/prodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/prodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/prodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/prodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/prodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/prodata/1/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/prodata/1/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/prodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1206	100.0	232	9	US-09-771-161A-93
2	1182	98.0	540	9	US-09-771-161A-184
3	1182	98.0	540	9	US-09-862-027-28
4	1182	98.0	540	10	US-09-981-397A-14
5	1182	98.0	540	17	US-10-825-282-36
6	1182	98.0	544	9	US-09-925-301-1015
7	1176	97.5	540	9	US-09-748-537-1
8	1176	97.5	540	9	US-09-728-721-2
9	1176	97.5	540	13	US-10-133-780-1
10	1176	97.5	540	13	US-10-105-931-2
11	1176	97.5	540	13	US-10-118-984-2
12	1176	97.5	540	14	US-10-295-981-2
13	632	52.4	131	9	US-09-728-721-5

14	632	52.4	131	13	US-10-105-931-5	Sequence 5, Appli
15	632	52.4	131	13	US-10-118-984-5	Sequence 5, Appli
16	632	52.4	131	14	US-10-295-981-5	Sequence 5, Appli
17	544	45.1	109	9	US-09-728-721-6	Sequence 6, Appli
18	544	45.1	109	13	US-10-105-931-6	Sequence 6, Appli
19	544	45.1	109	13	US-10-118-984-6	Sequence 6, Appli
20	544	45.1	109	14	US-10-295-981-6	Sequence 6, Appli
21	461	38.2	92	13	US-10-014-269-21	Sequence 21, Appl
22	461	38.2	92	13	US-10-002-974-21	Sequence 21, Appl
23	461	38.2	92	14	US-10-314-506-21	Sequence 21, Appl
24	451	37.4	90	9	US-09-841-879B-10	Sequence 10, Appl
25	451	37.4	90	16	US-10-756-097-10	Sequence 10, Appl
26	447	37.1	89	9	US-09-931-071-11	Sequence 11, Appl
27	149.5	12.4	109	9	US-09-728-721-71	Sequence 71, Appl
28	149.5	12.4	109	14	US-10-295-981-71	Sequence 71, Appl
29	143.5	11.9	95	9	US-09-841-879B-12	Sequence 12, Appl
30	143.5	11.9	95	16	US-10-756-097-12	Sequence 12, Appl
31	122.5	10.2	164	9	US-09-728-721-41	Sequence 41, Appl
32	122.5	10.2	164	13	US-10-118-984-41	Sequence 41, Appl
33	122.5	10.2	164	14	US-10-295-981-41	Sequence 41, Appl
34	122.5	10.2	249	9	US-09-728-721-39	Sequence 39, Appl
35	122.5	10.2	249	13	US-10-118-984-39	Sequence 39, Appl
36	122.5	10.2	249	14	US-10-295-981-39	Sequence 39, Appl
37	122.5	10.2	507	14	US-10-401-194-3	Sequence 3, Appl
38	122.5	10.2	953	9	US-09-728-721-8	Sequence 8, Appl
39	122.5	10.2	953	13	US-10-105-931-8	Sequence 8, Appl
40	122.5	10.2	953	13	US-10-118-984-8	Sequence 8, Appl
41	122.5	10.2	953	14	US-10-013-477-12	Sequence 12, Appl
42	122.5	10.2	953	14	US-10-295-981-8	Sequence 8, Appl
43	122.5	10.2	953	14	US-10-028-374-4	Sequence 4, Appl
44	122.5	10.2	953	14	US-10-183-770-4	Sequence 4, Appl
45	119	9.9	100	9	US-09-728-721-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1

US-09-771-161A-93
; Sequence 93, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 93
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-93

Query Match 100.0%; Score 1206; DB 9; Length 232;
Best Local Similarity 100.0%; Pred. No. 2.8e-107;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MYSLQSQVSSAIHLCDKKKMLSLNIPVNHGQEESSQSLHNSGSPETSRSLPAPQ	60
Db	1	MYSLQSQVSSAIHLCDKKKMLSLNIPVNHGQEESSQSLHNSGSPETSRSLPAPQ	60
QY	61	DNDFLSRKAQDCVFMKLHHCPCGNHSDSTISSQRAAFCDHKHTTTCSSAIINPLSTAGNS	120
Db	61	DNDFLSRKAQDCVFMKLHHCPCGNHSDSTISSQRAAFCDHKHTTTCSSAIINPLSTAGNS	120

QY 121 ERLQPGIAQWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVR 180
Db 121 ERLQPGIAQWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVR 180
QY 181 QLLDTTDIOGEEFAKVIQVKLKDKNQKMGLOPYPEILVWRSRPSLNLLQNKSM 232
Db 181 QLLDTTDIOGEEFAKVIQVKLKDKNQKMGLOPYPEILVWRSRPSLNLLQNKSM 232

RESULT 2

US-09-771-161A-184
; Sequence 184, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 184
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-184

Query Match 98.0%; Score 1182; DB 9; Length 540;
Best Local Similarity 99.6%; Pred. No. 1.8e-104;
Matches 227; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 5 QLOQVSSAIHLCDKKKMWLSLNI PVNHGPOEESCGSSQLHENSQSPETSRSLPAPQDNDF 64
Db 313 KLOQVSSAIHLCDKKKMWLSLNI PVNHGPOEESCGSSQLHENSQSPETSRSLPAPQDNDF 372
QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
Db 373 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTPCSSAIINPLSTAGNSERLQ 432
QY 125 PGIAQWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
Db 433 PGIAQWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492
QY 185 TTDIOGEEFAKVIQVKLKDKNQKMGLOPYPEILVWRSRPSLNLLQNKSM 232
Db 493 TTDIOGEEFAKVIQVKLKDKNQKMGLOPYPEILVWRSRPSLNLLQNKSM 540

RESULT 3

US-09-862-027-28
; Sequence 28, Application US/09862027
; Patent No. US20020142428A1
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; TITLE OF INVENTION: No. US20020142428A1el Kinases and Uses Thereof
; FILE REFERENCE: 35800/234862
; CURRENT APPLICATION NUMBER: US/09/862,027
; CURRENT FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: US 09/345,473
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-862-027-28

Query Match 98.0%; Score 1182; DB 9; Length 540;
Best Local Similarity 99.6%; Pred. No. 1.8e-104;
Matches 227; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 5 QLOQVSSAIHLCDKKKMWLSLNI PVNHGPOEESCGSSQLHENSQSPETSRSLPAPQDNDF 64
Db 313 KLOQVSSAIHLCDKKKMWLSLNI PVNHGPOEESCGSSQLHENSQSPETSRSLPAPQDNDF 372
QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
Db 373 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTPCSSAIINPLSTAGNSERLQ 432
QY 125 PGIAQWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
Db 433 PGIAQWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492
QY 185 TTDIOGEEFAKVIQVKLKDKNQKMGLOPYPEILVWRSRPSLNLLQNKSM 232
Db 493 TTDIOGEEFAKVIQVKLKDKNQKMGLOPYPEILVWRSRPSLNLLQNKSM 540

RESULT 4

US-09-981-397A-14
; Sequence 14, Application US/09981397A
; Publication No. US20030082519A1
; GENERAL INFORMATION:
; APPLICANT: Axixima Pharmaceuticals AG
; APPLICANT: Schubart, Daniel
; APPLICANT: Habenberger, Peter
; APPLICANT: Stein-Gerlach, Matthias
; APPLICANT: Bevec, Dorian
; TITLE OF INVENTION: Cellular Kinases Involved in Cytomegalovirus Infection and their
; TITLE OF INVENTION: Inhibition
; FILE REFERENCE: AXM-004.1 US
; CURRENT APPLICATION NUMBER: US/09/981,397A
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/240,750
; PRIOR FILING DATE: 2000-10-16
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-981-397A-14

Query Match 98.0%; Score 1182; DB 10; Length 540;
Best Local Similarity 99.6%; Pred. No. 1.8e-104;
Matches 227; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 5 QLOQVSSAIHLCDKKKMWLSLNI PVNHGPOEESCGSSQLHENSQSPETSRSLPAPQDNDF 64
Db 313 KLOQVSSAIHLCDKKKMWLSLNI PVNHGPOEESCGSSQLHENSQSPETSRSLPAPQDNDF 372
QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
Db 373 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTPCSSAIINPLSTAGNSERLQ 432
QY 125 PGIAQWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
Db 433 PGIAQWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492
QY 185 TTDIOGEEFAKVIQVKLKDKNQKMGLOPYPEILVWRSRPSLNLLQNKSM 232
Db 493 TTDIOGEEFAKVIQVKLKDKNQKMGLOPYPEILVWRSRPSLNLLQNKSM 540

RESULT 5

US-10-825-282-36
; Sequence 36, Application US/10825282
; Publication No. US20040224389A1
; GENERAL INFORMATION:

APPLICANT: 3921-1-1-1
TITLE OF INVENTION: VIRAL VECTORS ENCODING APOPTOSIS-INDUCING PROTEINS AND
METHODS FOR MAKING AND USING THE SAME
FILE REFERENCE: 3921-1-1-1
CURRENT APPLICATION NUMBER: US/10/825,282
CURRENT FILING DATE: 2004-04-14
PRIOR APPLICATION NUMBER: US/09/456,357
PRIOR FILING DATE: 1999-12-08
PRIOR APPLICATION NUMBER: 60/134,416
PRIOR FILING DATE: 1999-05-17
PRIOR APPLICATION NUMBER: 09/087,195
PRIOR FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 08/378,507
PRIOR FILING DATE: 1995-01-26
PRIOR APPLICATION NUMBER: 08/250,478
PRIOR FILING DATE: 1994-05-27
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 36
LENGTH: 540
TYPE: PRT
ORGANISM: Homo sapiens
US-10-825-282-36

Query Match 98.0%; Score 1182; DB 17; Length 540;
Best Local Similarity 99.6%; Pred. No. 1.8e-104;
Matches 227; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 5 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENS GSPETSRSLPAPQDNDF 64
:|||||
DB 313 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENS GSPETSRSLPAPQDNDF 372
:|||||
QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPC S SAIINPLSTAGNSERLQ 124
:|||||
DB 373 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPC S SAIINPLSTAGNSERLQ 432
:|||||
QY 125 PGIAQOWIOSKREDIVNQMTACLNSLDALLSRDLIMKEDYELV STKPTRTSKVRQLLD 184
:|||||
DB 433 PGIAQOWIOSKREDIVNQMTACLNSLDALLSRDLIMKEDYELV STKPTRTSKVRQLLD 492
:|||||
QY 185 TTDIQGEFAKVIQVKLKNQKQGLQPYPEILVWRSRPSLNLLQK SM 232
:|||||
DB 493 TTDIQGEFAKVIQVKLKNQKQGLQPYPEILVWRSRPSLNLLQK SM 540
:|||||

RESULT 6
US-09-925-301-1015
Sequence 1015, Application US/09925301
Patent No. US20020052308A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA106
CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05882
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1694
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1015
LENGTH: 544
TYPE: PRT
ORGANISM: Homo sapiens
US-09-925-301-1015

Query Match 98.0%; Score 1182; DB 9; Length 544;
Best Local Similarity 99.6%; Pred. No. 1.8e-104;
Matches 227; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 5 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENS GSPETSRSLPAPQDNDF 64
:|||||

DB 317 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENS GSPETSRSLPAPQDNDF 376
:|||||
QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPC S SAIINPLSTAGNSERLQ 124
:|||||
DB 377 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPC S SAIINPLSTAGNSERLQ 436
:|||||
QY 125 PGIAQOWIOSKREDIVNQMTACLNSLDALLSRDLIMKEDYELV STKPTRTSKVRQLLD 184
:|||||
DB 437 PGIAQOWIOSKREDIVNQMTACLNSLDALLSRDLIMKEDYELV STKPTRTSKVRQLLD 496
:|||||
QY 185 TTDIQGEFAKVIQVKLKNQKQGLQPYPEILVWRSRPSLNLLQK SM 232
:|||||
DB 497 TTDIQGEFAKVIQVKLKNQKQGLQPYPEILVWRSRPSLNLLQK SM 544
:|||||

RESULT 7
US-09-748-537-1
Sequence 1, Application US/09748537
Patent No. US20020061833A1
GENERAL INFORMATION:
APPLICANT: Bertin, John
APPLICANT: Chao, Moses V.
TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: 07334-316001
CURRENT APPLICATION NUMBER: US/09/748,537
CURRENT FILING DATE: 2000-12-26
PRIOR APPLICATION NUMBER: US 09/099,041
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: US 09/019,942
PRIOR FILING DATE: 1998-02-06
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 540
TYPE: PRT
ORGANISM: Homo sapiens
US-09-748-537-1

Query Match 97.5%; Score 1176; DB 9; Length 540;
Best Local Similarity 99.1%; Pred. No. 6.9e-104;
Matches 226; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 5 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENS GSPETSRSLPAPQDNDF 64
:|||||
DB 313 QLOSVSSAIHLCDKKKMWELSLNIPVNHGPOEESCGSSQLHENS GSPETSRSLPAPQDNDF 372
:|||||
QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPC S SAIINPLSTAGNSERLQ 124
:|||||
DB 373 LSRKAQDCYFMKLHHCPCGNHSDSTISGSORAAFCDHKTTPC S SAIINPLSTAGNSERLQ 432
:|||||
QY 125 PGIAQOWIOSKREDIVNQMTACLNSLDALLSRDLIMKEDYELV STKPTRTSKVRQLLD 184
:|||||
DB 433 PGIAQOWIOSKREDIVNQMTACLNSLDALLSRDLIMKEDYELV STKPTRTSKVRQLLD 492
:|||||
QY 185 TTDIQGEFAKVIQVKLKNQKQGLQPYPEILVWRSRPSLNLLQK SM 232
:|||||
DB 493 TTDIQGEFAKVIQVKLKNQKQGLQPYPEILVWRSRPSLNLLQK SM 540
:|||||

RESULT 8
US-09-728-721-2
Sequence 2, Application US/09728721
Patent No. US20020061845A1
GENERAL INFORMATION:
APPLICANT: Bertin, John
TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: 07334-124001
CURRENT APPLICATION NUMBER: US/09/728,721
CURRENT FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: 09/340,620
PRIOR FILING DATE: 1999-06-28
PRIOR APPLICATION NUMBER: US 09/207,359
PRIOR FILING DATE: 1998-12-08

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; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-728-721-2

Query Match          97.5%; Score 1176; DB 9; Length 540;
Best Local Similarity 99.1%; Pred. No. 6.9e-104;
Matches 226; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 QLQSVSSAIHLCDKKKMWLSLNIPVNHGQPEESCGSSQLHENSQSPETSRLPAPQDNDF 64
Db 313 QLQSVSSAIHLCDKKKMWLSLNIPVNHGQPEESCGSSQLHENSQSPETSRLPAPQDNDF 372

QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
Db 373 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTIPCSSAIINPLSTAGNSERLQ 432

QY 125 PGIAQOWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
Db 433 PGIAQOWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492

QY 185 TTDIQEEFAKVIQVKLKNQKMGLOPYPEILVWSRSPSLNLLQNKSM 232
Db 493 TTDIQEEFAKVIQVKLKNQKMGLOPYPEILVWSRSPSLNLLQNKSM 540

RESULT 9
US-10-133-780-1
; Sequence 1, Application US/10133780
; Publication No. US20020123115A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: GENES ENCODING CASPASE RECRUITMENT
; DOMAIN POLYPEPTIDES
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/133,780
; FILING DATE: 26-Apr-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/019,942
; FILING DATE: 06-FEB-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELECOMMUNICATION INFORMATION:
; REFERENCE/DOCKET NUMBER: 07334/068001
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 540 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
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; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-133-780-1

Query Match          97.5%; Score 1176; DB 13; Length 540;
Best Local Similarity 99.1%; Pred. No. 6.9e-104;
Matches 226; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 QLQSVSSAIHLCDKKKMWLSLNIPVNHGQPEESCGSSQLHENSQSPETSRLPAPQDNDF 64
Db 313 QLQSVSSAIHLCDKKKMWLSLNIPVNHGQPEESCGSSQLHENSQSPETSRLPAPQDNDF 372

QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
Db 373 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTIPCSSAIINPLSTAGNSERLQ 432

QY 125 PGIAQOWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
Db 433 PGIAQOWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492

QY 185 TTDIQEEFAKVIQVKLKNQKMGLOPYPEILVWSRSPSLNLLQNKSM 232
Db 493 TTDIQEEFAKVIQVKLKNQKMGLOPYPEILVWSRSPSLNLLQNKSM 540

RESULT 10
US-10-105-931-2
; Sequence 2, Application US/10105931
; Publication No. US20020150987A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
; FILE REFERENCE: 07334-076001
; CURRENT APPLICATION NUMBER: US/10/105,931
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER: 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-105-931-2

Query Match          97.5%; Score 1176; DB 13; Length 540;
Best Local Similarity 99.1%; Pred. No. 6.9e-104;
Matches 226; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 QLQSVSSAIHLCDKKKMWLSLNIPVNHGQPEESCGSSQLHENSQSPETSRLPAPQDNDF 64
Db 313 QLQSVSSAIHLCDKKKMWLSLNIPVNHGQPEESCGSSQLHENSQSPETSRLPAPQDNDF 372

QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTPCSSAIINPLSTAGNSERLQ 124
Db 373 LSRKAQDCYFMKLHHCPCGNHSDSTISGSQRAAFCDHKTTIPCSSAIINPLSTAGNSERLQ 432

QY 125 PGIAQOWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
Db 433 PGIAQOWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492

QY 185 TTDIQEEFAKVIQVKLKNQKMGLOPYPEILVWSRSPSLNLLQNKSM 232
Db 493 TTDIQEEFAKVIQVKLKNQKMGLOPYPEILVWSRSPSLNLLQNKSM 540

RESULT 11
US-10-118-984-2
; Sequence 2, Application US/10118984
; Publication No. US20020197693A1
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: GENERAL INFORMATION:
: APPLICANT: Bertin, John
: TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY
: TITLE OF INVENTION: AND USES THEREOF
: FILE REFERENCE: 07334/118001
: CURRENT APPLICATION NUMBER: US/10/118,984
: CURRENT FILING DATE: 2002-04-09
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/245,281
: PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-05
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/207,359
: PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-08
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/099,041
: PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-17
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/019,942
: PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-06
: NUMBER OF SEQ ID NOS: 44
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 2
: LENGTH: 540
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-118-984-2

Query Match          97.5%; Score 1176; DB 13; Length 540;
Best Local Similarity 99.1%; Pred. No. 6.9e-104;
Matches 226; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 QLASVSSAIHLCDKKKMWELSLNPVNHGPOEESGSQLHENGSPETSRSLPAPQDNDF 64
Db 313 QLASVSSAIHLCDKKKMWELSLNPVNHGPOEESGSQLHENGSPETSRSLPAPQDNDF 372
QY 65 LSRKAQDCYPFKLHHCPCGNHSDSTISGSQRAAFCDHKHTPCSSAIINPLSTAGNSERLQ 124
Db 373 LSRKAQDCYPFKLHHCPCGNHSDSTISGSQRAAFCDHKHTPCSSAIINPLSTAGNSERLQ 432
QY 125 PGTAQQWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 184
Db 433 PGTAQQWIOSKREDIVNQWTEACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLD 492
QY 185 TTDIQEEFAKVIQVKLKDKNQKMGLOPYPEILVVSRSPSLNLLQNKSM 232
Db 493 TTDIQEEFAKVIQVKLKDKNQKMGLOPYPEILVVSRSPSLNLLQNKSM 540

RESULT 12
US-10-295-981-2
: Sequence 2, Application US/10295981
: Publication No. US20030120055A1
: GENERAL INFORMATION:
: APPLICANT: Bertin, John
: TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THEREOF
: FILE REFERENCE: 07334-124001
: CURRENT APPLICATION NUMBER: US/10/295,981
: CURRENT FILING DATE: 2002-11-15
: PRIOR APPLICATION NUMBER: US/09/340,620
: PRIOR FILING DATE: 1999-06-28
: PRIOR APPLICATION NUMBER: US 09/245,281
: PRIOR FILING DATE: 1999-02-05
: PRIOR APPLICATION NUMBER: US 09/207,359
: PRIOR FILING DATE: 1998-12-08
: PRIOR APPLICATION NUMBER: US 09/099,041
: PRIOR FILING DATE: 1998-06-17
: PRIOR APPLICATION NUMBER: US 09/019,942
: PRIOR FILING DATE: 1998-02-06
: NUMBER OF SEQ ID NOS: 71
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 2
: LENGTH: 540
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-295-981-2

Query Match          97.5%; Score 1176; DB 14; Length 540;

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Tue Feb 1 09:12:09 2005

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; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
;   LENGTH: 131
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-105-931-5

Query Match      52.4%; Score 632; DB 13; Length 131;
Best Local Similarity 98.3%; Pred. No. 1.6e-52;
Matches 117; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 QLOSVSSAIHLCDKKKMLSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 64
   :|||||
DB 13 KLOSVSSAIHLCDKKKMLSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 72
   :|||||

QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISSQRAAFCDHKTTPCSSAIINPLSTAGNSERL 123
   :|||||
DB 73 LSRKAQDCYFMKLHHCPCGNHSDSTISSQRAAFCDHKTTPCSSAIINPLSTAGNSERL 131
   :|||||
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RESULT 15
US-10-118-984-5
; Sequence 5, Application US/10118984
; Publication No. US20020197693A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY
; FILE REFERENCE: 07334/118001
; CURRENT APPLICATION NUMBER: US/10/118,984
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/245,281
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
;   LENGTH: 131
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-118-984-5
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Query Match      52.4%; Score 632; DB 13; Length 131;
Best Local Similarity 98.3%; Pred. No. 1.6e-52;
Matches 117; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 QLOSVSSAIHLCDKKKMLSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 64
   :|||||
DB 13 KLOSVSSAIHLCDKKKMLSLNIPVNHGPOEESCGSSQLHNSGSPETSRSLPAPQDNDF 72
   :|||||

QY 65 LSRKAQDCYFMKLHHCPCGNHSDSTISSQRAAFCDHKTTPCSSAIINPLSTAGNSERL 123
   :|||||
DB 73 LSRKAQDCYFMKLHHCPCGNHSDSTISSQRAAFCDHKTTPCSSAIINPLSTAGNSERL 131
   :|||||
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Job time : 147 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: January 31, 2005, 23:05:56 ; Search time 103 Seconds
(without alignments)

1601.000 Million cell updates/sec

Title: US-09-771-161A-93

Perfect score: 1206

Sequence: 1 MYSLQSVSSAIHLCDKKK.....PEILVVSFSLMLQKSM 232

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0

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Maximum Match 100%

Listing first 45 summaries

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -LOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09771161 @CNG 1.1.69 @runat_28012005_103459_5 -NCPU=6 -ICPU=3 -NO_MMWP
-LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG -DEV TIMEOUT=120
-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

- 1: /cgn2_6/ptodata/1/ina/5A COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5B COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1182	98.0	2501	4	US-09-920-663-3
2	1182	98.0	2502	3	US-09-069-023-2
3	1176	97.5	1620	3	US-09-099-041A-3
4	1176	97.5	1620	3	US-09-245-281-3
5	1176	97.5	1620	4	US-09-207-359B-3
6	1176	97.5	1620	4	US-09-340-620A-3
7	1176	97.5	1620	4	US-09-865-364-3
8	1176	97.5	1931	3	US-09-019-942-2
9	1176	97.5	1931	3	US-09-099-041A-1
10	1176	97.5	1931	3	US-09-245-281-1
11	1176	97.5	1931	4	US-09-470-271-2
12	1176	97.5	1931	4	US-09-207-359B-1

13	1176	97.5	1931	4	US-09-340-620A-1	Sequence 1, Appli
14	1176	97.5	1931	4	US-09-865-364-1	Sequence 2, Appli
15	1176	97.5	1931	4	US-09-748-537-2	Sequence 1, Appli
16	1165	96.6	1060	4	US-09-023-655-684	Sequence 684, App
17	125	10.4	1400	3	US-09-245-281-40	Sequence 40, Appl
18	125	10.4	1400	4	US-09-207-359B-40	Sequence 40, Appl
19	125	10.4	1400	4	US-09-340-620A-40	Sequence 40, Appl
20	125	10.4	1400	4	US-09-865-364-40	Sequence 40, Appl
21	125	10.4	1400	4	US-09-099-041A-7	Sequence 7, Appli
22	125	10.4	3382	3	US-09-245-281-7	Sequence 7, Appli
23	125	10.4	3382	4	US-09-207-359B-7	Sequence 7, Appli
24	125	10.4	3382	4	US-09-340-620A-7	Sequence 7, Appli
25	125	10.4	3382	4	US-09-865-364-7	Sequence 7, Appli
26	125	10.4	4302	3	US-09-245-281-38	Sequence 38, Appl
27	125	10.4	4302	4	US-09-207-359B-38	Sequence 38, Appl
28	125	10.4	4302	4	US-09-340-620A-38	Sequence 38, Appl
29	125	10.4	4302	4	US-09-865-364-38	Sequence 38, Appl
30	122.5	10.2	2859	3	US-09-099-041A-9	Sequence 9, Appli
31	122.5	10.2	2859	3	US-09-245-281-9	Sequence 9, Appli
32	122.5	10.2	2859	4	US-09-207-359B-9	Sequence 9, Appli
33	122.5	10.2	2859	4	US-09-340-620A-9	Sequence 9, Appli
34	122.5	10.2	2859	4	US-09-865-364-9	Sequence 9, Appli
35	104.5	8.7	626	3	US-09-019-942-4	Sequence 4, Appli
36	104.5	8.7	626	4	US-09-470-271-4	Sequence 4, Appli
37	104.5	8.7	626	4	US-09-748-537-4	Sequence 4, Appli
38	104.5	8.7	1470	3	US-09-099-041A-27	Sequence 27, Appl
39	104.5	8.7	1470	3	US-09-245-281-27	Sequence 27, Appl
40	104.5	8.7	1470	4	US-09-207-359B-27	Sequence 27, Appl
41	104.5	8.7	1470	4	US-09-340-620A-27	Sequence 27, Appl
42	104.5	8.7	1470	4	US-09-865-364-27	Sequence 27, Appl
43	104.5	8.7	3080	3	US-09-099-041A-25	Sequence 25, Appl
44	104.5	8.7	3080	3	US-09-245-281-25	Sequence 25, Appl
45	104.5	8.7	3080	4	US-09-207-359B-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-09-920-663-3
; Sequence 3, Application US/09920663
; Patent No. 6426221
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowser
; APPLICANT: Donna T. Ward
; TITLE OF INVENTION: ANTISENSE MODULATION OF RIP2 EXPRESSION
; FILE REFERENCE: RTS-0233
; CURRENT APPLICATION NUMBER: US/09/920,663
; CURRENT FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 3
; LENGTH: 2501
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (225)...(1847)
US-09-920-663-3

Alignment Scores:
Pred. No.: 3.35e-138
Score: 1182.00
Length: 2501
Matches: 227
Percent Similarity: 100.00%
Best Local Similarity: 99.56%
Query Match: 98.01%
DB: 4
Conservative: 1
Mismatch: 0
Indels: 0
Gaps: 0

US-09-771-161A-93 (1-232) x US-09-920-663-3 (1-2501)

QY	5	GinLeuGlnSerValSerSerAlaIleHisLeuCysAspIleValMetGluLeuSer	24
Db	1161	AAAGTTACAGAGTGTTCACAGTCCATTCACATGTGACAAAGAAATGGAATATCT	1220
QY	25	LeuAsnIleProValAsnHisGlyProGlnGluGluSerCysGlySerGlnLeuHis	44

```

Db      1221  CTGAACATACCTGTAAATCATGGTCCACAAGAGGAATCATGGGATCCTCTCAGCTCCAT 1280
Qy      45   GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
Db      1281  GAAATAGTGGTTCCTCGAATCTCAAGTCCCTGCCAGCTCCTCAAGACAATGATTTT 1340
Qy      65   LeuSerArgGlyAlaGlnAspCysTyrPheMetLysLeuHisHisCysProGlyAsnHis 84
Db      1341  TTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGCTGCATCACTCTCTCGTGAATCAC 1400
Qy      85   SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 104
Db      1401  AGTTGGATAGACCACTTCTCGTCTCAAGGGCTGCATTCGTGATCAAGACCACT 1460
Qy      105  ProCysSerSerAlaIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
Db      1461  CCATGCTCTTCAGCAATAATAATCCACTCTCAACTGCAGGAACTCAGAACGCTCTGCAG 1520
Qy      125  ProGlyIleAlaGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
Db      1521  CCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTGTGAACCAATGACA 1580
Qy      145  GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 164
Db      1581  GAAGCTGCTTAAACAGTCGCTAGATGCCCTCTGTCCAGGACTTGTATCATGAAGAG 1640
Qy      165  AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
Db      1641  GACTATGAATCTGTAGTACCAAGCCTACAGGACCTCAAAAGTTCAGACAAATTTACTAGAC 1700
Qy      185  ThrThrAspIleGlnGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
Db      1701  ACTACTGACATCCAGGAGAAGAAATTCGCAAGTTATAGTACAAAAATTTGAAGATAAC 1760
Qy      205  LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
Db      1761  AAACAAATGGGCTTCAGCCTTACCCGGAATACTTGTGGTTCTAGATCACCATCTTTA 1820
Qy      225  AsnLeuLeuGlnAsnLysSerMet 232
Db      1821  AATTTACTTCAAAATAAAAGCATG 1844

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RESULT 2

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US-09-069-023-2
; Sequence 2, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: UM-0333
; CURRENT APPLICATION NUMBER: US/09/069, 023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 2502
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-069-023-2

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Alignment Scores:
Pred. No.: 3,35e-138 Length: 2502
Score: 1182.00 Matches: 227
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.56% Mismatches: 0
Query Match: 98.01% Indels: 0
DB: 3 Gaps: 0

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US-09-771-161A-93 (1-232) x US-09-069-023-2 (1-2502)

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Qy      5   GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysLysMetGluLeuSer 24
Db      1162  AAGTTACAGAGTGTTCCTCAAGTGCCATTCACCTATGTGACAGAGAAATGGAATATATCT 1221
Qy      25   LeuAsnIleProValAsnHisGlyProGlnGlnGluSerCysGlySerSerGlnLeuHis 44
Db      1222  CTGAACATACCTGTAAATCATGGTCCACAAGAGGAATCATGGGATCCTCTCAGCTCCAT 1281
Qy      45   GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
Db      1282  GAAATAGTGGTTCCTCGTGAATCTCAAGGTCCTCCAGAGCAATGATGATTTT 1341
Qy      65   LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisHisCysProGlyAsnHis 84
Db      1342  TTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGCTGCATCACTCTCTCGTGAATCAC 1401
Qy      85   SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 104
Db      1402  AGTTGGATAGACCACTTCTCGTCTCAAGGGCTGCATTCGTGATCAAGACCACT 1461
Qy      105  ProCysSerSerAlaIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
Db      1462  CCATGCTCTTCAGCAATAATAATCCACTCTCAACTGCAGGAACTCAGAACGCTCTGCAG 1521
Qy      125  ProGlyIleAlaGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
Db      1522  CCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTGTGAACCAATGACA 1581
Qy      145  GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 164
Db      1582  GAAGCTGCTTAAACAGTCGCTAGATGCCCTCTGTCCAGGACTTGTATCATGAAGAG 1641
Qy      165  AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
Db      1642  GACTATGAATCTGTAGTACCAAGCCTACAGGACCTCAAAAGTTCAGACAAATTTACTAGAC 1701
Qy      185  ThrThrAspIleGlnGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
Db      1702  ACTACTGACATCCAGGAGAAGAAATTCGCAAGTTATAGTACAAAAATTTGAAGATAAC 1761
Qy      205  LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
Db      1762  AAACAAATGGGCTTCAGCCTTACCCGGAATACTTGTGGTTCTAGATCACCATCTTTA 1821
Qy      225  AsnLeuLeuGlnAsnLysSerMet 232
Db      1822  AATTTACTTCAAAATAAAAGCATG 1845

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RESULT 3

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US-09-099-041A-3
; Sequence 3, Application US/09099041A
; Patent No. 6340576
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 07334-076001
; CURRENT APPLICATION NUMBER: US/09/099, 041A
; CURRENT FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 09/019, 942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1620
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-099-041A-3

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Alignment Scores:
Pred. No.: 9,31e-138 Length: 1620
Score: 1176.00 Matches: 226

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Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: 3 Gaps: 0

US-09-771-161A-93 (1-232) x US-09-099-041A-3 (1-1620)

```
QY 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 24
Db 937 AAGTTACAGAGTGTTCCTCAAGTGCCATTCACTATGTGACAAAGAAATGGAATATCT 996
QY 25 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
Db 997 CTGAACATACCTGTAAATCATGTCCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1056
QY 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
Db 1057 GAAATAGTGGTTCCTGAACTTCAAGTCCCTGCCAGCTCTCAAGACATGATTTT 1116
QY 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 84
Db 1117 TTATCTAGAAAAGCTCAAGACTGTATTTTATGAAGCTGCATCACTGTCTCGGAATCAC 1176
QY 85 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThr 104
Db 1177 AGTTGGGATAGCACCATTTCTGGATCTCAAAGGGCTGCATTTCTGTGATCACAAGACCATT 1236
QY 105 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
Db 1237 CCATGCTCTTCAGCAATATAATCACTCTCACTGCAGGAACCTCAGAACCTCTGCAG 1296
QY 125 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValGlnLysLysAspAsn 204
Db 1477 ACTACTGACATCCAGGAGGAATTTGCCAAGTTATAGTACAAAATTTGAAAGATAAC 1536
QY 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
Db 1537 AAACAAATGGGTCTTCAGCCCTTACCCGGAATACTTGTGGTTTCTAGATCACCATCTTTA 1596
QY 225 AsnLeuLeuGlnAsnLysSerMet 232
Db 1597 AATTACTTCAAAATAAAGCATG 1620
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RESULT 4

US-09-245-281-3
; Sequence 3, Application US/09245281
; Patent No. 6369196
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 07334/118001
; CURRENT APPLICATION NUMBER: US/09/245,281
; CURRENT FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: US 09/207,359
; EARLIER FILING DATE: 1998-12-08
; EARLIER APPLICATION NUMBER: US 09/099,041
; EARLIER FILING DATE: 1998-06-17
; EARLIER APPLICATION NUMBER: US 09/019,942
; EARLIER FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 44

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1620
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-245-281-3

Alignment Scores:

Prod. No.: 9.31e-138 Length: 1620
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 0
Query Match: 97.51% Indels: 1
DB: 3 Gaps: 0

US-09-771-161A-93 (1-232) x US-09-245-281-3 (1-1620)

```
QY 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 24
Db 937 AAGTTACAGAGTGTTCCTCAAGTGCCATTCACTATGTGACAAAGAAATGGAATATCT 996
QY 25 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
Db 997 CTGAACATACCTGTAAATCATGTCCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1056
QY 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
Db 1057 GAAATAGTGGTTCCTGAACTTCAAGTCCCTGCCAGCTCTCAAGACATGATTTT 1116
QY 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 84
Db 1117 TTATCTAGAAAAGCTCAAGACTGTATTTTATGAAGCTGCATCACTGTCTCGGAATCAC 1176
QY 85 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThr 104
Db 1177 AGTTGGGATAGCACCATTTCTGGATCTCAAAGGGCTGCATTTCTGTGATCACAAGACCATT 1236
QY 105 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
Db 1237 CCATGCTCTTCAGCAATATAATCACTCTCACTGCAGGAACCTCAGAACCTCTGCAG 1296
QY 125 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValGlnLysLysAspAsn 144
Db 1297 CCTGGTATAGCCAGCAGTGGATCCAGACAAAAGGGAAGACATTTGTGAACCAATGACA 1356
QY 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 164
Db 1357 GAAGCCTGCCTTAACCAAGTCGCTAGATGCCCTTCTGTCCAGGACTTGTATCATGAAGAG 1416
QY 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
Db 1417 GACTATGAATTTGTTAGTACCAAGCCTACAGGACCTCAAAAGTCAGACAAATTTACTAGAC 1476
QY 185 ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLysAspAsn 204
Db 1477 ACTACTGACATCCAGGAGGAATTTGCCAAGTTATAGTACAAAATTTGAAAGATAAC 1536
QY 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
Db 1537 AAACAAATGGGTCTTCAGCCCTTACCCGGAATACTTGTGGTTTCTAGATCACCATCTTTA 1596
QY 225 AsnLeuLeuGlnAsnLysSerMet 232
Db 1597 AATTACTTCAAAATAAAGCATG 1620
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RESULT 5

US-09-207-359B-3
; Sequence 3, Application US/09207359B
; Patent No. 6469140
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF

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/ FILE REFERENCE: 07334-112001
/ CURRENT APPLICATION NUMBER: US/09/207,359B
/ CURRENT FILING DATE: 1998-12-08
/ PRIOR APPLICATION NUMBER: US/09/099,041
/ PRIOR FILING DATE: 1998-06-17
/ PRIOR APPLICATION NUMBER: US/09/019,942
/ PRIOR FILING DATE: 1998-02-06
/ NUMBER OF SEQ ID NOS: 47
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 3
/ LENGTH: 1620
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-207-359B-3

Alignment Scores:
Pred. No.: 9,31e-138 Length: 1620
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: Gaps: 0

US-09-771-161A-93 (1-232) x US-09-207-359B-3 (1-1620)

QY 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 24
DB 937 AAGTTACAGAGTGTTTCAAGTGCATTCACCTATGTGCAAGAGAAATGGAATTAICT 996

QY 25 LeuAenIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
DB 997 CTGAACATACCTGTAATCATGTCTCCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1056

QY 45 GluAenSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
DB 1057 GAAATAGTGGTTCTCTGAACTTCAAGTCCCTGCCAGCTCTCAACACAATGATTTT 1116

QY 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisHisCysProGlyAsnHis 84
DB 1117 TTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGTCCATCCTCTGGAAATCAC 1176

QY 85 SerTrpAspSerThrIleSerGlnArgAlaAlaPheCysAspHisLysThrThr 104
DB 1177 AGTTGGATAGCCAACTTCTGAACTCAAGGGCTGCAATCTGTGATCACAAGCCATT 1236

QY 105 ProCysSerSerAlaIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
DB 1237 CCATGCTCTTCAGCAATAATAATCCACTCTCAACTGCAGGAAACTCAGAACGCTCTGCAG 1296

QY 125 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
DB 1297 CCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGAAGACATTTGTGAACCAATGACA 1356

QY 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuSerArgAspLeuIleMetLysGlu 164
DB 1357 GAAGCTGCTTAAACAGTCCGATGATGTCCTCTGTCCAGGACTTGATCATGAAGAG 1416

QY 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
DB 1417 GACTATGAATCTGTAGTACCAAGCCTCAAGGACCTCAAAAGTCAGACAAATTACTAGAC 1476

QY 185 ThrThrAspIleGlnGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
DB 1477 ACTACTGACATCAAGAGGAAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAAC 1536

QY 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
DB 1537 AACAAATGGTCTTTCAGCTTACCCCGAAATACTTGTGGTTCTAGATCACCATCTTTA 1596

QY 225 AsnLeuLeuGlnAsnLysSerMet 232
DB 1597 AATTTACTTCAAAATAAAGCATG 1620
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RESULT 6

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US-09-340-620A-3
/ Sequence 3, Application US/09340620A
/ Patent No. 6482933
/ GENERAL INFORMATION:
/ APPLICANT: Bertin, John
/ TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
/ FILE REFERENCE: 07334-124001
/ CURRENT APPLICATION NUMBER: US/09/340,620A
/ CURRENT FILING DATE: 1999-06-28
/ PRIOR APPLICATION NUMBER: US/09/245,281
/ PRIOR FILING DATE: 1999-02-05
/ PRIOR APPLICATION NUMBER: US/09/207,359
/ PRIOR FILING DATE: 1998-12-08
/ PRIOR APPLICATION NUMBER: US/09/099,041
/ PRIOR FILING DATE: 1998-06-17
/ PRIOR APPLICATION NUMBER: US/09/019,942
/ PRIOR FILING DATE: 1998-02-06
/ NUMBER OF SEQ ID NOS: 71
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 3
/ LENGTH: 1620
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-340-620A-3

Alignment Scores:
Pred. No.: 9,31e-138 Length: 1620
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: Gaps: 0

US-09-771-161A-93 (1-232) x US-09-340-620A-3 (1-1620)

QY 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 24
DB 937 AAGTTACAGAGTGTTTCAAGTGCATTCACCTATGTGCAAGAGAAATGGAATTAICT 996

QY 25 LeuAenIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
DB 997 CTGAACATACCTGTAATCATGTCTCCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1056

QY 45 GluAenSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
DB 1057 GAAATAGTGGTTCTCTGAACTTCAAGTCCCTGCCAGCTCTCAACACAATGATTTT 1116

QY 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisHisCysProGlyAsnHis 84
DB 1117 TTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGTCCATCCTCTGGAAATCAC 1176

QY 85 SerTrpAspSerThrIleSerGlnArgAlaAlaPheCysAspHisLysThrThr 104
DB 1177 AGTTGGATAGCCAACTTCTGAACTCAAGGGCTGCAATCTGTGATCACAAGCCATT 1236

QY 105 ProCysSerSerAlaIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
DB 1237 CCATGCTCTTCAGCAATAATAATCCACTCTCAACTGCAGGAAACTCAGAACGCTCTGCAG 1296

QY 125 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
DB 1297 CCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGAAGACATTTGTGAACCAATGACA 1356

QY 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuSerArgAspLeuIleMetLysGlu 164
DB 1357 GAAGCTGCTTAAACAGTCCGATGATGTCCTCTGTCCAGGACTTGATCATGAAGAG 1416

QY 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
DB 1417 GACTATGAATCTGTAGTACCAAGCCTCAAGGACCTCAAAAGTCAGACAAATTACTAGAC 1476

QY 185 ThrThrAspIleGlnGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
```

Db 1477 ACTACTGACATCCAAAGAGAAATTTGCCAAAGTTATAGTACAAAATTCAAAAGATAAC 1536
Qy 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 224
Db 1537 AAACAAATGGTCTTTCAGCTTACCCGGAATACTTGTGGTTTCTAGATCACCATCTTTA 1596
Qy 225 AsnLeuLeuGlnAsnLysSerMet 232
Db 1597 AATTTACTTCAAAATAAAAGCATG 1620
RESULT 7
US-09-865-364-3
; Sequence 3, Application US/09865364
; Patent No. 6613521
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 07334-112001
; CURRENT APPLICATION NUMBER: US/09/865,364
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ-ID NOS: 47
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1620
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-865-364-3
Alignment Scores:
Pred. No.: 9,31e-138 Length: 1620
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: 4 Gaps: 0
US-09-771-161A-93 (1-232) x US-09-865-364-3 (1-1620)
Qy 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 24
Db 937 AAGTTACAGAGTGTTCAGGTGCCATTCACCTATGTGACAAAGAAATGGAATATCT 996
Qy 25 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
Db 997 CTGAACATACCTGTAATCATGTGTCACAGAGGAATCATGTGATCCTCTCAGCTCCAT 1056
Qy 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
Db 1057 GAAATAGTGGTCTCTCTGAACTTCAGGTCCCTGACGCTCTCAAGACATGATTTT 1116
Qy 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 84
Db 1117 TTATCTAGAAAAGCTCAAGACTGTATTTATGAAGCTGCATCACTGCTCGGAAATCAC 1176
Qy 85 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 104
Db 1177 AGTTGGATAGCACCATTTCTGGATCTCAAGGGCTGCATCTGTGATCAAGACCAT 1236
Qy 105 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
Db 1237 CCATGCTCTTCAGCAATAAATATCCACTCTCACTGCAGAACTCAGAACTGTCGAG 1296
Qy 125 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
Db 1297 CCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGAGACATTTGTGAACCAATGACA 1356

Qy 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 164
Db 1357 GAAGCCTGCTTAAACAGTCGCTAGATGCCCTTCTGTCAGGAGCTTGATCATGAAGAG 1416
Qy 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
Db 1417 GACTATGAATCTGTAGTACCAAGCCTACAAGGACCTCAAAAGCTCAGACAATTTACTAGAC 1476
Qy 185 ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
Db 1477 ACTACTGACATCCAAAGGAGAATTTGCCAAAGTTATAGTACAAAATTTGAAGATAAC 1536
Qy 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 224
Db 1537 AAACAAATGGTCTTTCAGCTTACCCGGAATACTTGTGGTTTCTAGATCACCATCTTTA 1596
Qy 225 AsnLeuLeuGlnAsnLysSerMet 232
Db 1597 AATTTACTTCAAAATAAAAGCATG 1620

RESULT 8

US-09-019-942-2
; Sequence 2, Application US/09019942
; Patent No. 6033855
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: GENES ENCODING CASPASE RECRUITMENT
; TITLE OF INVENTION: DOMAIN POLYPEPTIDES
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/019,942
; FILING DATE: 06-FEB-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/068001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1931 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-019-942-2

Alignment Scores:
Pred. No.: 1,24e-137 Length: 1931
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: 3 Gaps: 0

US-09-771-161A-93 (1-232) x US-09-019-942-2 (1-1931)

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QY      5  GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysLysMetGluLeuSer 24
      :::|
Db     1150  AAGTTACAGAGTGTTTCAAGTGCCATTACCTATGTGACAAGAGAAAATGGAATTATCT 1209
      |
QY     25  LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
      |
Db     1210  CTGAACATACCTGTAATCATGTCTCAAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1269
      |
QY     45  GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
      |
Db     1270  GAAATAGTGGTTCCTGAACTTCAAGGTCCTGCCAGCTCCTCAAGACAATGATTTT 1329
      |
QY     65  LeuSerArgGlyAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 84
      |
Db     1330  TTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGCTGCATCACTGCTCGAATAC 1389
      |
QY     85  SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 104
      |
Db     1390  AGTTGGATAGACACCAATTTCTGATCTCAAGGGCTGCATTTCTGTGATCACAAGACCATT 1449
      |
QY     105  ProCysSerSerAlaIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
      |
Db     1450  CCATGCTCTTCAGCAATAATAATCCACTCTCAACTGCAGGAACTCAGAACGCTCTGCAG 1509
      |
QY     125  ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
      |
Db     1510  CCTGGTATAGCCAGAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGACA 1569
      |
QY     145  GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 164
      |
Db     1570  GAAGCCTGCTTACCAAGTGGATGCTAGATGCCCTTCTGTCCAGGACTTGTATCATGAAGAG 1629
      |
QY     165  AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
      |
Db     1630  GACTATGAATCTGTAGTACCAAGCCTACAGGACCTCAAAAGTCAAGACATTTACTTAGAC 1689
      |
QY     185  ThrThrAspIleGlnGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
      |
Db     1690  ACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATAAC 1749
      |
QY     205  LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
      |
Db     1750  AAACAAATGGGCTTCCAGCCTTACCCGGAATACTTGTGGTTTCTAGATCACAICTTT 1809
      |
QY     225  AsnLeuLeuGlnAsnLysSerMet 232
      |
Db     1810  AATTTACTTCAAAATAAAGCATG 1833
      |
RESULT 9
US-09-099-041A-1
; Sequence 1, Application US/09099041A
; Patent No. 6340576
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 07334-076001
; CURRENT APPLICATION NUMBER: US/09/099, 041A
; CURRENT FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 09/019, 942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (214) ... (1833)
US-09-099-041A-1
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Alignment Scores:

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Pred. No.:      1,24e-137      Length:      1931
Score:          1176.00      Matches:      226
Percent Similarity: 99.56%      Conservative: 1
Best Local Similarity: 99.12%      Mismatches: 1
Query Match:      97.51%      Indels:      0
DB:              3          Gaps:      0
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US-09-771-161A-93 (1-232) x US-09-099-041A-1 (1-1931)

```
QY      5  GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysLysMetGluLeuSer 24
      :::|
Db     1150  AAGTTACAGAGTGTTTCAAGTGCCATTACCTATGTGACAAGAGAAAATGGAATTATCT 1209
      |
QY     25  LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
      |
Db     1210  CTGAACATACCTGTAATCATGTCTCAAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1269
      |
QY     45  GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
      |
Db     1270  GAAATAGTGGTTCCTGAACTTCAAGGTCCTGCCAGCTCCTCAAGACAATGATTTT 1329
      |
QY     65  LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 84
      |
Db     1330  TTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGCTGCATCACTGCTCGAATAC 1389
      |
QY     85  SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 104
      |
Db     1390  AGTTGGATAGACACCAATTTCTGATCTCAAGGGCTGCATTTCTGTGATCACAAGACCATT 1449
      |
QY     105  ProCysSerSerAlaIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
      |
Db     1450  CCATGCTCTTCAGCAATAATAATCCACTCTCAACTGCAGGAACTCAGAACGCTCTGCAG 1509
      |
QY     125  ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
      |
Db     1510  CCTGGTATAGCCAGAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGACA 1569
      |
QY     145  GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 164
      |
Db     1570  GAAGCCTGCTTAAACAGTGGTGTAGTGCCTTCTGTCCAGGACTTGTATCATGAAGAG 1629
      |
QY     165  AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
      |
Db     1630  GACTATGAATCTGTAGTACCAAGCCTCAAGGACCTCAAAAGTCAAGACATTTACTTAGAC 1689
      |
QY     185  ThrThrAspIleGlnGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
      |
Db     1690  ACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATAAC 1749
      |
QY     205  LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
      |
Db     1750  AAACAAATGGGCTTCCAGCCTTACCCGGAATACTTGTGGTTTCTAGATCACAICTTT 1809
      |
QY     225  AsnLeuLeuGlnAsnLysSerMet 232
      |
Db     1810  AATTTACTTCAAAATAAAGCATG 1833
      |
RESULT 10
US-09-245-281-1
; Sequence 1, Application US/09245281
; Patent No. 6369196
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 07334/118001
; CURRENT APPLICATION NUMBER: US/09/245, 281
; CURRENT FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: US 09/207,359
; EARLIER FILING DATE: 1998-12-08
; EARLIER APPLICATION NUMBER: US 09/099,041
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EARLIER FILING DATE: 1998-06-17
EARLIER APPLICATION NUMBER: US 09/019,942
EARLIER FILING DATE: 1998-02-06
NUMBER OF SEQ ID NOS: 44
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 1931
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (214) ... (1833)
US-09-245-281-1

Alignment Scores:
Pred. No.: 1-24e-137 Length: 1931
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: 3 Gaps: 0

US-09-771-161A-93 (1-232) x US-09-245-281-1 (1-1931)

QY 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysLysMetGluLeuSer 24
Db 1150 AAGTTACAGAGTGTTCACAGTGCCATTCACCTATGTGACAAAGAAATGGAATATCT 1209
QY 25 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
Db 1210 CTGAACATACCTGTAATCATGTGTCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1269
QY 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
Db 1270 GAAATAGTGGTCTCTGAAATCTCAAGTCCCTGCCAGCTCCTCAAGACAATGATTT 1329
QY 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 84
Db 1330 TTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGTGCATCACTGCTCGAATCAC 1389
QY 85 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThr 104
Db 1390 AGTTGGGATAGCACCATTCTTGATCTCAAGGGCTGCATTCTGTGATCAACAAGACCATT 1449
QY 105 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
Db 1450 CCATGCTCTTCAGCAATATAAATCCACTCTCACTGCAGAACTCAGAACCTCTGCAG 1509
QY 125 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
Db 1510 CCTGGTATAGCCAGCAGTGCATCCAGCAAAAGGGAAGACATTGTGAACCAATGACA 1569
QY 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuMetLysGlu 164
Db 1570 GAAGCCTGCTTAACAGTGCCTAGATGCCCTTCTGTCCAGGACCTTGATCATGAAGAG 1629
QY 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
Db 1630 GACTATGAACCTGTGTAGTACCAAGCCTTACAGGACCTCAAAAGTCCAGACAATTACTAG 1689
QY 185 ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
Db 1690 ACTACTGACATCCAGGAGAGAAATTTGCCAAGTTATAGTACAAAATTTGAAGATAC 1749
QY 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
Db 1750 AAACAAATGGTCTTTCAGCCTTACCCGAAATACTTGTGGTTTCTAGATCACCATCTTTA 1809
QY 225 AsnLeuLeuGlnAsnLysSerMet 232
Db 1810 AATTTACTTCAAAATAAAGCATG 1833

RESULT 11

US-09-470-271-2
Sequence 2, Application US/09470271
Patent No. 6410689
GENERAL INFORMATION:
APPLICANT: Bertin, John
TITLE OF INVENTION: GENES ENCODING CASPASE RECRUITMENT
TITLE OF INVENTION: DOMAIN POLYPEPTIDES
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/470,271
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/019,942
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Meiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 07334/068001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1931 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-470-271-2

Alignment Scores:
Pred. No.: 1-24e-137 Length: 1931
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: 4 Gaps: 0

US-09-771-161A-93 (1-232) x US-09-470-271-2 (1-1931)
QY 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysLysMetGluLeuSer 24
Db 1150 AAGTTACAGAGTGTTCACAGTGCCATTCACCTATGTGACAAAGAAATGGAATATCT 1209
QY 25 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
Db 1210 CTGAACATACCTGTAATCATGTGTCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1269
QY 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
Db 1270 GAAATAGTGGTCTCTGAAATCTCAAGTCCCTGCCAGCTCCTCAAGACAATGATTTT 1329
QY 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 84
Db 1330 TTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGTGCATCACTGCTCGAATCAC 1389
QY 85 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThr 104
Db 1390 AGTTGGGATAGCACCATTCTTGATCTCAAGGGCTGCATTCTGTGATCAACAAGACCATT 1449

QY 105 ProCysSerSerAlaIleIleLeuProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
 DB 1450 CCATGCTCTTCAAGCAATAATAATCACTCTCAACTGCAGGAACTCAGAACGCTCTGCAG 1509
 QY 125 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
 DB 1510 CCTGGTATAGCCAGCAGTGGATGCCAGAGCAAAAGGAAGACATTTGTGAACCAATGACA 1569
 QY 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 164
 DB 1570 GAAGCCTGCTTAACAGTCGCTAGATGCCCTTCTCTCCAGGACTTGTATCATGAAGAG 1629
 QY 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
 DB 1630 GACTATGAATCTTTAGTACCAAGCCTACAAGGACCTCAAAAGTCAGACAATTTACTAGAC 1689
 QY 185 ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
 DB 1690 ACTACTGACATCCAGAGAGAGATTTGCCAAAGTTATAGTACAAAAATTTGAAGATAAC 1749
 QY 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 224
 DB 1750 AAACAAATGGTCTTCCAGCCTTACCAGGAAATCTTGTGGTTTCTAGATCACCATCTTTA 1809
 QY 225 AsnLeuLeuGlnAsnLysSerMet 232
 DB 1810 AATTTACTTCAAAATAAAGCATG 1833

RESULT 12

US-09-207-359B-1
 ; Sequence 1, Application US/09207359B
 ; Patent No. 6469140
 ; GENERAL INFORMATION:
 ; APPLICANT: Bertin, John
 ; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
 ; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
 ; FILE REFERENCE: 07334-112001
 ; CURRENT APPLICATION NUMBER: US/09/207,359B
 ; CURRENT FILING DATE: 1998-12-08
 ; PRIOR APPLICATION NUMBER: US 09/099,041
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: US 09/019,942
 ; PRIOR FILING DATE: 1998-02-06
 ; NUMBER OF SEQ ID NOS: 47
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 1931
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (214)...(1833)
 US-09-207-359B-1

Alignment Scores:
 Pred. No.: 1,24e-137 Length: 1931
 Score: 1176.00 Matches: 226
 Percent Similarity: 99.56% Conservative: 1
 Best Local Similarity: 99.12% Mismatches: 1
 Query Match: 97.51% Indels: 0
 DB: 4 Gaps: 0

US-09-771-161a-93 (1-232) x US-09-207-359B-1 (1-1931)

QY 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 24
 DB 1150 AAGTTACAGAGTGTTCAGTGCCTATTCACCTATGTGACAGAGAAATGGAATATCT 1209
 QY 25 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
 DB 1210 CTGAACATACCTGTAATATCATGGTCCACAGAGGAATCATGTGATCTCTCAGCTCCAT 1269
 QY 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64

DB 1270 GAAATAAGTGGTTCTCTGAAACTTCAAGTCCCTGCCAGCTCTCAAGCAATGATTTT 1329
 QY 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisHisCysProGlyAsnHis 84
 DB 1330 TTATCTAGAAAGCTCAAGACTGTTATTTATGAAGCTGCATCACTGCTCTCGAAATCAC 1389
 QY 85 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 104
 DB 1390 AGTTGGGATACACCATTTCTGGATCTCAAGGGCTGCAITCTGTGATCAACAACCAATT 1449
 QY 105 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
 DB 1450 CCATGCTCTTCAAGCAATAATAATCCACTCTCAACTGCAGGAACTCAGAACGCTCTGCAG 1509
 QY 125 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
 DB 1510 CCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGAAGACATTTGTGAACCAATGACA 1569
 QY 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 164
 DB 1570 GAAGCCTGCTTAACAGTCGCTAGATGCCCTTCTGTCCAGGACTTGTATCATGAAGAG 1629
 QY 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
 DB 1630 GACTATGAATCTTTAGTACCAAGCCTACAAGGACCTCAAAAGTCAGACAATTTACTAGAC 1689
 QY 185 ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
 DB 1690 ACTACTGACATCCAGAGAGAAATTTGCCAAAGTTATAGTACAAAAATTTGAAGATAAC 1749
 QY 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValSerArgSerProSerLeu 224
 DB 1750 AAACAAATGGTCTTCCAGCCTTACCAGGAAATCTTGTGGTTTCTAGATCACCATCTTTA 1809
 QY 225 AsnLeuLeuGlnAsnLysSerMet 232
 DB 1810 AATTTACTTCAAAATAAAGCATG 1833

RESULT 13

US-09-340-620A-1
 ; Sequence 1, Application US/09340620A
 ; Patent No. 6482933
 ; GENERAL INFORMATION:
 ; APPLICANT: Bertin, John
 ; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
 ; FILE REFERENCE: 07334-124001
 ; CURRENT APPLICATION NUMBER: US/09/340,620A
 ; CURRENT FILING DATE: 1999-06-28
 ; PRIOR APPLICATION NUMBER: US 09/245,281
 ; PRIOR FILING DATE: 1999-02-05
 ; PRIOR APPLICATION NUMBER: US 09/207,359
 ; PRIOR FILING DATE: 1998-12-08
 ; PRIOR APPLICATION NUMBER: US 09/099,041
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: US 09/019,942
 ; PRIOR FILING DATE: 1998-02-06
 ; NUMBER OF SEQ ID NOS: 71
 ; SOFTWARE: FastSeq for Windows version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 1931
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (214)...(1833)
 US-09-340-620A-1

Alignment Scores:
 Pred. No.: 1,24e-137 Length: 1931
 Score: 1176.00 Matches: 226
 Percent Similarity: 99.56% Conservative: 1
 Best Local Similarity: 99.12% Mismatches: 1

Query Match:	97.51%	Indels:	0
DB:	4	Gaps:	0
US-09-771-1161A-93 (1-232) x US-09-340-620A-1 (1-1931)			
Qy	5	GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer	24
Db	1150	AAAGTACAGAGTGTTCACAGTGCATTTCACCTATGTCAAGAAGAAAATGGGAATTATCT	1209
Qy	25	LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis	44
Db	1210	CTGNACATACCTGTAAATCATGTCTCCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT	1269
Qy	45	GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe	64
Db	1270	GAAATAAGTAGTCTCTCTCGAAACTTCAAGGTCCCTGCAGCTCTCAAGACAATGATTTT	1329
Qy	65	LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisHisCysProGlyAsnHis	84
Db	1330	TTATCTAGAAAAGCTCAAGACTGTATTTATGAAGCTGCATCACTGCTCTGGAAATCCAC	1389
Qy	85	SerTrpAspSerThrIleSerGlySerGlnArgAlaIlePheCysAspHisLysThrThr	104
Db	1390	AGTTGGGATAGCACCAATTTCTGGATCTCAAAAGGGCTGCATTCTGTGATCAACAAGACCA	1449
Qy	105	ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln	124
Db	1450	CCATGCTCTTCAGCAATAATAAATCCACTCTCAACTCAGAGAACTCAGAACGCTCTCAG	1509
Qy	125	ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr	144
Db	1510	CCTGGTATACCCAGCAGTGGATCCAGAGCAAAAGGGAGAACAATTGTGAACCAATGACA	1569
Qy	145	GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu	164
Db	1570	GAAGCCTCGCTTAACCAAGTCGTAGATGCCCTTCTGTCCAGGACTTGTATCATGAAAGAG	1629
Qy	165	AspTyrGlnLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp	184
Db	1630	GACTATGAACCTGTGTAGTACCAAGCCTPACAAGGACCTCAAAAGGTCAACAATTTACTAGAC	1689
Qy	185	ThrThrAspIleGlnGlyGluGluPheAlaIleValIleValGlnLysLeuLysAspAsn	204
Db	1690	ACTACTGACATCCAAAGGAGAAGAAATTTGCCAAAGTTATAGTACAAAAAATTTGAAAGATPAAC	1749
Qy	205	LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu	224
Db	1750	AAACAAATGGGTCTTCAAGCTTATCCCGGAAATACTTGTGGTTTCTAGATCACCATCTTTA	1809
Qy	225	AsnLeuLeuGlnAsnLysSerMet	232
Db	1810	AAATTACTTCAAAATAAAGCATG	1813

Db	1630	GACTATGAACCTTGTTAGTACCAAGGACCTCAAGGACCTCAAGAACTTCTAGAC	1689
Qy	185	ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn	204
Db	1690	ACTACTGACATCCAAAGGAGAAATTTGCCAAAGTTATAGTACAAAAATTTGAAGATAAC	1749
Qy	205	LysGlnMetClyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu	224
Db	1750	AAACAAATGGGTCTTCAGCCTTACCCEGAANAACCTGTGTGTTCTAGATCACCACCTTTA	1809
Qy	225	AsnLeuLeuGlnAsnLysSerMet	232
Db	1810	AAATTTACTTTCAAAATAAAAGCATG	1833

RESULT 15
US-09-748-537-2
; Sequence 2, Application US/09748537
; Patent No. 6680167
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; APPLICANT: Chao, Moses V.

;; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILIE AND USES THERE

;; FILE REFERENCE: 07334-316001
;; CURRENT APPLICATION NUMBER: US/09/748,537
;; CURRENT FILING DATE: 2000-12-26
;; PRIOR APPLICATION NUMBER: US 09/099,041
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: US 09/019,942
;; PRIOR FILING DATE: 1998-02-06
;; NUMBER OF SEQ ID NOS: 14
;; SOFTWARE: FastSEQ for Windows Version 4.0
;; SEQ ID NO 2
;; LENGTH: 1931
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-748-537-2

Alignment Scores: 1.24e-137 Length: 1931
Pred. No.: 1176.00 Matches: 226
Score: 1176.00
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: 4 Gaps: 0

US-09-771-161A-93 (1-232) x US-09-748-537-2 (1-1931)

QY 5 GlnLeuGlnSerValSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 24
Db 1150 AAGTTACAGAGTGTTCACGTGCTTACCTATGTGACAAAGAAATGGAATATCT 1209
QY 25 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
Db 1210 CTGAACATACCTGTAAATCATGTGTCCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1269
QY 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
Db 1270 GAAATAGTGGTTCCTCTGAACTTCAAGGTCCCTGCCAGCTCCTCAGACAAATGATTT 1329
QY 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis 84
Db 1330 TTATCTAGAAAAGCTCAAGACTGTTATTTATGAAGCTGCATCACTGCTCGAAATCAC 1389
QY 85 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThr 104
Db 1390 AGTTGGATAGCACCATTTCTGGATCTCAAGGGCTGCATTCGTATCAAGACCAT 1449
QY 105 ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
Db 1450 CCATGCTCTTCAGCAATAATAATCCACTCTCAACTGCAGGAAACTCAGAACGCTCTGCAG 1509
QY 125 ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
Db 1510 CCTGGTATAGCCAGCAGTGGATCCAGAGCAAAAGGAAGACATTTGTAACCAAAATGACA 1569
QY 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 164
Db 1570 GAAGCCTGCTTTAACCATGCTCAGATGCCCTTCTGTCCAGGACTTGTATCATGAAGAG 1629
QY 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
Db 1630 GACTATGAACCTTTAGTACCAAGCCTACAGGACCTCAAAAGTCAGACAAATACTAGAC 1689
QY 185 ThrThrAspIleGlnGlnGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
Db 1690 ACTACTGACATCCAGAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATAAC 1749
QY 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
Db 1750 AAACAAATGGTCTTCAGCCTTACCCGGAATATCTTGTGGTTTCTAGATCACCATCTTTA 1809
QY 225 AsnLeuLeuGlnAsnLysSerMet 232
Db 1810 AATTTACTTCAAAATAAAGCATG 1833

Search completed: February 1, 2005, 01:26:56
Job time : 115 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: January 31, 2005, 23:09:56 ; Search time 573 Seconds
(without alignments)

2326.433 Million cell updates/sec

Title: US-09-771-161A-93

Perfect score: 1206

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Fgapop 6.0 , Fgapext 7.0
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Total number of hits satisfying chosen parameters: 8600550

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1206	100.0	1669	9	US-09-771-161A-2	Sequence 2, Appli
2	1182	98.0	1623	15	US-10-172-118-957	Sequence 957, App
3	1182	98.0	1623	16	US-10-342-887-957	Sequence 13, Appl
4	1182	98.0	2501	10	US-09-981-397A-13	Sequence 35, Appl
5	1182	98.0	2501	18	US-10-825-282-35	Sequence 173, App
6	1182	98.0	2709	9	US-09-925-301-173	Sequence 3, Appli
7	1176	97.5	1620	9	US-09-728-721-3	Sequence 3, Appli
8	1176	97.5	1620	13	US-10-105-931-3	Sequence 3, Appli
9	1176	97.5	1620	13	US-10-118-984-3	Sequence 3, Appli
10	1176	97.5	1620	15	US-10-295-981-3	Sequence 3, Appli
11	1176	97.5	1931	9	US-09-748-537-2	Sequence 1, Appli
12	1176	97.5	1931	9	US-09-728-721-1	Sequence 2, Appli
13	1176	97.5	1931	13	US-10-133-780-2	Sequence 1, Appli
14	1176	97.5	1931	13	US-10-105-931-1	Sequence 1, Appli
15	1176	97.5	1931	13	US-10-118-984-1	Sequence 1, Appli
16	1176	97.5	1931	15	US-10-295-981-1	Sequence 1, Appli
17	1165	96.6	1060	16	US-10-641-643-684	Sequence 684, App
18	650	53.9	491	10	US-09-918-995-20565	Sequence 20565, A
19	125	10.4	1400	9	US-09-728-721-40	Sequence 40, Appl
20	125	10.4	1400	13	US-10-118-984-40	Sequence 40, Appl
21	125	10.4	1400	15	US-10-006-883A-96	Sequence 96, Appl
22	125	10.4	1400	15	US-10-295-981-40	Sequence 40, Appl
23	125	10.4	3382	9	US-09-728-721-7	Sequence 7, Appli
24	125	10.4	3382	13	US-10-105-931-7	Sequence 7, Appli
25	125	10.4	3382	13	US-10-118-984-7	Sequence 7, Appli
26	125	10.4	3382	15	US-10-295-981-7	Sequence 7, Appli
27	125	10.4	4093	15	US-10-401-194-2	Sequence 2, Appli
28	125	10.4	4302	9	US-09-728-721-38	Sequence 38, Appl
29	125	10.4	4302	13	US-10-118-984-38	Sequence 38, Appl
30	125	10.4	4302	15	US-10-006-883A-95	Sequence 95, Appl
31	125	10.4	4302	15	US-10-295-981-38	Sequence 38, Appl
32	125	10.4	4390	15	US-10-006-883A-3	Sequence 3, Appli
33	125	10.4	4610	14	US-10-013-477-3	Sequence 11, Appl
34	125	10.4	4610	15	US-10-006-883A-11	Sequence 9, Appli
35	122.5	10.2	2859	9	US-09-728-721-9	Sequence 9, Appli
36	122.5	10.2	2859	13	US-10-105-931-9	Sequence 9, Appli
37	122.5	10.2	2859	13	US-10-118-984-9	Sequence 9, Appli
38	122.5	10.2	2859	15	US-10-295-981-9	Sequence 9, Appli
39	122.5	10.2	3789	14	US-10-013-477-10	Sequence 10, Appl
40	122.5	10.2	3693	15	US-10-106-698-2086	Sequence 2086, Ap
41	114	9.5	60	10	US-09-908-975-13799	Sequence 13799, A
42	104.5	8.7	626	9	US-09-748-537-4	Sequence 4, Appli
43	104.5	8.7	626	13	US-10-133-780-4	Sequence 4, Appli
44	104.5	8.7	1470	9	US-09-728-721-27	Sequence 27, Appl
45	104.5	8.7	1470	13	US-10-105-931-27	Sequence 27, Appl

ALIGNMENTS

RESULT 1
US-09-771-161A-2
; Sequence 2, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 1669
; TYPE: DNA

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY:
; LOCATION: (1)..(1669)
; OTHER INFORMATION: "n" can be any nucleotide 'a', 'c', 'g' or 't'
US-09-771-161A-2

Alignment Scores:
Pred. No.: 9, 4e-137 Length: 1669
Score: 1206.00 Matches: 232
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-771-161A-93 (1-232) x US-09-771-161A-2 (1-1669)
QY 1 MetTyrSerLeuGlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLys 20
DB 320 ATGTATTTCATTACAGTTACAGAGTGTTCAGGTGCCATTCCACTATGTGACAGAGAA 379

QY 21 MetGluLeuSerLeuAsnIleProValAsnHisGlyProGlnGluGluSerCysGlySer 40
DB 380 ATGGAAATATCTCTGAACATACCTGTAAATCATGTGTCACAGAGGAATCATGTGGATCC 439

QY 41 SerGlnLeuHisGluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGln 60
DB 440 TCTCAGCTCCATGAAATAATAGTGGTTCTCTGAAACTTCAAGGTCCCTGCGCAGCTCCTCAA 499

QY 61 AsnAsnAspPheLeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCys 80
DB 500 GACAAATGATTTTATCTAGAAAAGCTCAAGACTGTATTTATGAGCTGCATCACTGT 559

QY 81 ProGlyAsnHisSerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAsp 100
DB 560 CCTGGAAATCACAGTTGGGATAGACCACTTCTGGATCTCAAGGGCTGCATCTCTGTAT 619

QY 101 HisLysThrThrProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAsnSer 120
DB 620 CACAAGACCCTCCATGCTCTTCAGCAATAATAAATCCACTCTCAACTGCGAGAACTCA 679

QY 121 GluArgLeuGlnProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleVal 140
DB 680 GAAGCTCTGAGCCTGTGTATAGCCAGCAGTGTATCCAGAGCAAAAGGGAGACATTTGG 739

QY 141 AsnGlnMetThrGluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeu 160
DB 740 AACCAATGACAGAGCCCTGCTTAACCACTGCTAGATGCCCTTCTGTCAGGGACTTG 799

QY 161 IleMetLysGluAspTyrGluLeuValSerThrIleProThrArgThrSerLysValArg 180
DB 800 ATCATGAAGAGGACTATGAACCTTTGTAGTACCAAGCCTCAAGGACCTCAAAAGTCAGA 859

QY 181 GlnLeuLeuAspThrThrAspIleGlnGluGluPheAlaLysValIleValGlnLys 200
DB 860 CAATTACTAGACACTACTGACATCCAGGAGAGAAATTTGCCAAGTTATAGTACAAAA 919

QY 201 LeuLysAspAsnLysGlnMetGlyLeuGlnProTyrProGluLeuValValSerArg 220
DB 920 TTGAAGATAACAAACAAATGGGTCTTCAGCCTTTACCCGGAATACTTGTGGTTTCTAGA 979

QY 221 SerProSerLeuAsnLeuGlnAsnLysSerMet 232
DB 980 TCACCATCTTTAAATTTTACTTCAAAATATAAGCATG 1015

RESULT 2
US-10-172-118-957
; Sequence 957, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
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Db 1537 AACAAATGGGTCTTCAGCCTTACCCGAAATACTTGTGTTTCTAGATCACCATCTTTA 1596

Qy 225 AsnLeuLeuGlnAsnLysSerMet 232
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Db 1597 AATTTACTTCAAAATAAAGCATG 1620

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RESULT 3
US-10-342-887-957
; Sequence 957, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 957
; LENGTH: 1623
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-957

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Pred. ID:	7.73e-134	Length:
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Best Local Similarity:	99.56%	Mismatches:
Query Match:	98.01%	Indels:
DB:	16	Gaps:
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US-09-771-161A-93 (1-232)	x US-10-342-887-957 (1-1623)	

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Qy 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspIleMetLysGlu 164
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Qy 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
Db 1761 AAACAAATGGGTCTTCAGCCCTTACCCGGAATACTTGTGGTTCTAGATCACAICTTTA 1820
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Db 1821 AATTACTTCAAAATAAAGCATG 1844

RESULT 5

US-10-825-282-35
; Sequence 35, Application US/10825282
; Publication No. US20040224389A1
; GENERAL INFORMATION:
; APPLICANT: 3921-1-1-1
; TITLE OF INVENTION: VIRAL VECTORS ENCODING APOPTOSIS-INDUCING PROTEINS AND
; FILE OF INVENTION: METHODS FOR MAKING AND USING THE SAME
; FILE REFERENCE: 3921-1-1-1
; CURRENT APPLICATION NUMBER: US/10/825,282
; CURRENT FILING DATE: 2004-04-14
; PRIOR APPLICATION NUMBER: US/09/456,357
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 60/134,416
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 09/087,195
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 08/378,507
; PRIOR FILING DATE: 1995-01-26
; PRIOR APPLICATION NUMBER: 08/250,478
; PRIOR FILING DATE: 1994-05-27
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 2501
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (225)..(1847)
US-10-825-282-35

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Score: 1182.00 Matches: 227
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Query Match: 98.01% Indels: 0
DB: 18 Gaps: 0

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Qy 25 LeuAsnIleProValAsnHisGlyProGlnGluGluSerCysGlySerSerGlnLeuHis 44
Db 1221 CTGAACATACCTGTAAATCATGGTCCACAAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1280
Qy 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
Db 1281 GAAATAATAGTGGTCTCTCTGAAACTTCAAGGTCCCTGCCAGCTCTCTCAAGCAATATGATTTT 1340
Qy 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisHisCysProGlyAsnHis 84
Db 1341 TTATCTAGAAAGCTCAAGACTGTATTTTATGAAGCTGCATCACTCTCTCTGGAATCAC 1400
Qy 85 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 104
Db 1401 AGTTGGGATAGCACCATTTCTGGTTCTCAAGGGCTGCATTTCTGTGATCACAAGACCACT 1460
Qy 105 ProCysSerSerAlaIleLeuAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
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Qy 125 ProGlyLeuAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
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Qy 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
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Qy 185 ThrThrAspIleGlnGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
Db 1701 ACTACTGACATCCAGGAGAGAATTTGCCAAAGTTATAGTACAAAAATTGAAGATAC 1760
Qy 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
Db 1761 AAACAAATGGGTCTTCAGCCCTTACCCGGAATACTTGTGGTTCTAGATCACAICTTTA 1820
Qy 225 AsnLeuLeuGlnAsnLysSerMet 232
Db 1821 AATTACTTCAAAATAAAGCATG 1844
RESULT 6
US-09-925-301-173
; Sequence 173, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 173
; LENGTH: 2709
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2595)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature

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; LOCATION: (2622)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc.feature
; LOCATION: (2659)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc.feature
; LOCATION: (2670)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-301-173

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Alignment Scores:	
Pred. No.:	1.64e-133
Score:	1182.00
Percent Similarity:	100.00%
Best Local Similarity:	99.56%
Query Match:	98.01%
DB:	9
	Gaps: 0
	Indels: 0
	Mismatches: 1
	Conservative: 0
	Matches: 227
	Length: 2709

US-09-771-161A-93 (1-232) x US-09-925-301-173 (1-2709)

Qy	5	GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer	24
Db	1203	AAAGTTACAGAGTGTTCCTCAAGTGCCTATGTGACAAAGAAAATGGAATTATCT	1362
Qy	25	LeuAsnIleProValAenHisGlyProGlnGluSerCysGlySerSerGlnLeuHis	44
Db	1263	CTGAACATACCTGTAAATCATGTGTCCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT	1322
Qy	45	GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAenAspPhe	64
Db	1323	GAANAATAGTGGTCTCTCTGAAACTTCAAGGTCCCTGCCAGCTCTCAAGACAATGATTTT	1382
Qy	65	LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis	84
Db	1383	TTATCTAGAAAAGCTCAAGACTGTATTTTATGAAGCTGCATCCTCTCTGGAAATCAC	1442
Qy	85	SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr	104
Db	1443	AGTTGGGAYAGCACCATTTCTGGATCTCAAAGGGCTGCATTTCTGTGATCAAGACCACCT	1502
Qy	105	ProCysSerSerAlaIleIleAsnProLeuSerThrAlaGlyAenSerGluArgLeuGln	124
Db	1503	CCATGCTCTTCAGCAATAATAAATCCACTCTCAACTGCAGAAACTCAGAACGCTCTCGAG	1562
Qy	125	ProGlyIleAlaGlnGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr	144
Db	1563	CCTGGTATATGCCCAGCAGTGGATCCAGAGCAAAAGGGAAGACATTTGTGAACCAATGACA	1622
Qy	145	GluAlaCysLeuAenGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu	164
Db	1623	GAAGACCTGCCTTAACCAAGTCGTAGATGCCCTTCTGTCCAGGGACTTGTATCATGAAGAG	1682
Qy	165	AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp	184
Db	1683	GACTATGAACCTGTGTAGTACCAAGCCTPACAAGGACCTCAAAAGTCAGACAAATTACTAGAC	1742
Qy	185	ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn	204
Db	1743	ACTACTGACATCCAGGAGAGAAATTTGCCAAGTTATAGTACAAAATTTGAAGATPAAC	1802
Qy	205	LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerIleu	224
Db	1803	AAACAAATGGTCTTTCAGCCTTACCCTGGAAAATACTTGTGGTTTCTAGATCACCATCTTTA	1862
Qy	225	AsnLeuLeuGlnAsnLysSerMet	232
Db	1863	AAATTACTTCAAATAAAGCATG	1886

RESULT 7

US-09-728-721-3
; Sequence 3, Application US/09728721
; Patent No. US20020061845A1
; GENERAL INFORMATION:

Db 1417 GACTATGAACCTGTTAGTACCAAGGCTCACAAGGACCTCAAGAGCTCAGACAATTACTTAGAC 1417
 Qy 185 ThrThrAspIleGlnGlyGluGluPheAlaIaIaValIleValGlnIysLeuLysAspAsn 204
 Db 1477 ACTACTGACATCCAAAGGAGAAGAAATTCGCCAAGTGTATAGTACAAAAATTTGAAAGATAAC 1536
 Qy 205 LysGlnMetClyLeuGlnProTyrProGluIleuValSerArgSerProSerLeu 224
 Db 1537 AAACAAATGGGTCTTCAGCCTTACCCGGAATAACTTGTGGTTTCTAGATCACCATCTTTA 1596
 Qy 225 AsnLeuLeuGlnAsnLysSerMet 232
 Db 1597 AATTACTTCAAAATAAAGCATG 1620
 RESULT 9
 US-10-118-984-3
 ; Sequence 3, Application US/10118984
 ; Publication No. US20020197693A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bertin, John
 ; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY
 ; TITLE OF INVENTION: AND USES THEREOF
 ; FILE REFERENCE: 07334/118001
 ; CURRENT APPLICATION NUMBER: US/10/118,984
 ; CURRENT FILING DATE: 2002-04-09
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/245,281
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-05
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/207,359
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-08
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/099,041
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/019,942
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-06
 ; NUMBER OF SEQ ID NOS: 44
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 3
 ; LENGTH: 1620
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-118-984-3
 Alignment Scores:
 Pred. No.: 4,17e-133 Length: 1620
 Score: 1176.00 Matches: 226
 Percent Similarity: 99.56% Conservative: 1
 Best Local Similarity: 99.12% Mismatches: 1
 Query Match: 97.51% Indels: 0
 DB: 13 Gaps: 0
 US-09-771-161A-93 (1-232) x US-10-118-984-3 (1-1620)
 Qy 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysLysMetGluLeuSer 24
 Db 937 AAGTTACAGAGTGTTCCAAGTGCCATTCCACCTATGTGCAAGAGAGAAATGGAATATCT 996
 Qy LeuAsnIleProValAsnHisGlyProGlnGluGluSerCysGlySerSerGlnLeuHis 44
 Db 997 CTGAACATACCTGTAAATCATGTGTCACAGAGGAAATCATGTGGATCTCTCAGCTCCAT 105
 Qy 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
 Db 1057 GAAATAAGTGGTTCTCTGTAATTCACAGGTCCTGCCAGCTCCTCAAGACAAATGATTTT 111
 Qy 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisHisCysProGlyAsnHis 84
 Db 1117 TTATCTAGAAAAGCTCAAGACTGTTATTTTATGAAGCTGCATCACTGCTCTCGAATTCAC 117
 Qy 85 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 104
 Db 1177 AGTTGGGATAGACACCATTTCTGGATCTCAAAAGGGCTGCATTTCTGTGATCACAAGACCAT 123
 Qy 105 ProCysSerSerAlaIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124

Db 1237 CCATGCTCTTCAGCAATAATAAATCCACTCTCAACTCCAGAAACTCAGAACGCTGTCAG 1296
Qy 125 ProGlyIleAlaGlnGlnTTPilleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
Db 1297 CCTGGTATAGCCAGAGAGTGGATCCAGAGCAAAAGGGAAGACATTGTGAACCAATGACA 1356
Qy 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 164
Db 1357 GAAGCCTGCCTTAACCAAGTCGTAGATGCCCTCTGTGCCAGGACTTGTATCATGAAAGAG 1416
Qy 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
Db 1417 GACTATGAACCTTGTATGACCAAGCTTACCAAGGACCTCAAAAGTCAGACAAATTAATAGAC 1476
Qy 185 ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
Db 1477 ACTACTGACATCCAGAGAGAGATTTGCCAAGTTATAGTACAAAATTTGAAGATTAAC 1536
Qy 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
Db 1537 AAACAAATGGTCTTTCAGCCTTACCCGGAATACTTGTGGTTTCTAGATCACCATCTTTA 1596
Qy 225 AsnLeuLeuGlnAsnLysSerMet 232
Db 1597 AATTTACTTCAAAATAAAAGCATG 1620

RESULT 10

US-10-295-981-3
; Sequence 3, Application US/10295981
; Publication No: US20030120055A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/10/295,981
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US/09/340,620
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US/09/245,281
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: US/09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US/09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US/09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1620
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-981-3

Alignment Scores:
Pred. No.: 4,17e-133 Length: 1620
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: 15 Gaps: 0

US-09-771-161a-93 (1-232) x US-10-295-981-3 (1-1620)

Qy 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 24
Db 937 AAGTACAGAGTGTTCAGTGCCATTCACCTATGTGACAAAGAAATGGAATTATCT 996
Qy 25 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
Db 997 CTGACATACCTGTAAATCATGTGTCACAAAGAGAAATCATGTGATCCTCTCAGCTCCAT 1056
Qy 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAppPhe 64

Db 1057 GAAATAGTGGTCTCTCTGAAACTTCAAGTCCTCCAGCTCCTCAAGACAATGATTTT 1116
Qy 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysCysProGlyAsnHis 84
Db 1117 TTATCTAGAAAAAGCTCAAGACTGTATTATTTATGAAGCTGCATCACTGTCTCGAAATCAC 1176
Qy 85 SerTyrAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThr 104
Db 1177 AGTTGGGATAGACCACTTCTGGATCTCAAGGGCTGCATTCTGTGATCACAGACCAT 1236
Qy 105 ProCysSerSerAlaIleLeuLeuProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
Db 1237 CCATGCTCTTTCAGCAATAATAATCCACTCTCAACTGCAGAAACTCAGAACTGTCGAC 1296
Qy 125 ProGlyIleAlaGlnGlnTTPilleGlnSerLysArgGluAspIleValAsnGlnMetThr 144
Db 1297 CCTGGTATAGCCAGAGAGTGGATCCAGAGCAAAAGGGAAGACATTGTGAACCAATGACA 1356
Qy 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu 164
Db 1357 GAAGCCTGCCTTAACCAAGTCGTAGATGCCCTTCTGTCCAGGACTTGTATCATGAAAGAG 1416
Qy 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
Db 1417 GACTATGAACCTTGTATGACCAAGCTTACCAAGGACCTCAAAAGTCAGACAATTAATAGAC 1476
Qy 185 ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
Db 1477 ACTACTGACATCCAGAGAGAGATTTGCCAAGTTATAGTACAAAATTTGAAGATTAAC 1536
Qy 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
Db 1537 AAACAAATGGTCTTTCAGCCTTACCCGGAATACTTGTGGTTTCTAGATCACCATCTTTA 1596
Qy 225 AsnLeuLeuGlnAsnLysSerMet 232
Db 1597 AATTTACTTCAAAATAAAAGCATG 1620

RESULT 11

US-09-748-537-2
; Sequence 2, Application US/09748537
; Patent No: US20020061833A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; APPLICANT: Chao, Moses V.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-316001
; CURRENT APPLICATION NUMBER: US/09/748,537
; CURRENT FILING DATE: 2000-12-26
; PRIOR APPLICATION NUMBER: US/09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US/09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-748-537-2

Alignment Scores:
Pred. No.: 5,39e-133 Length: 1931
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: 9 Gaps: 0

US-09-771-161a-93 (1-232) x US-09-748-537-2 (1-1931)

Qy 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysMetGluLeuSer 24

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; LOCATION: (214) ... (1833)
US-09-728-721-1
Alignment Scores:
Pred. No.: 5,39e-133 Length: 1931
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: 9 Gaps: 0

US-09-771-161A-93 (1-232) x US-09-728-721-1 (1-1931)
QY 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLeuLysMetGluLeuSer 24
DB 1150 AAGTTACAGAGGTTTCAAGTGCCATTACCTATGTGACAGAGAAATGGAATATCT 1209
QY 25 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
DB 1210 CTGAACATACCTGTAAATCATGGTCCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1269
QY 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
DB 1270 GAAAAATAGTGGTTCTCTGAAACTTCAAGGTCCTGCCAGCTCTCAAGACAAATGATTTT 1329
QY 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysAspLysLeuHis 84
DB 1330 TTATCTAGAAAAGCTCAAGACTGTATTTTATGAAGCTGCATCATCTGCTGGAATATCAT 1389
QY 85 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 104
DB 1390 AGTTGGGATAGCACCATTCTGGATCTCAAGGGCTGCATTCTGTGATCACAAGACCAATT 1449
QY 105 ProCysSerSerAlaIleLeuAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
DB 1450 CCATGCTCTTACAGCAATAATAATCACTCAACTGCAGGAACTCAGAACGTCCTGCAG 1509
QY 125 ProGlyIleAlaGlnTrpIleGlnSerLysArgGluAspIleValGlnLysLeuLysAspAsn 204
DB 1510 CTGGTATAGCCACAGCTGGATCCAGAGCAAAAGGAGACATTTGTGACCAAAATGACA 1569
QY 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuMetLysGlu 164
DB 1570 GAAGCCTGCCTTAACAGTCGCTAGATGCCCTTCTGTCAGGACTTGTATCATGAAAGAG 1629
QY 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
DB 1630 GACTATGAACCTTTAGTACCAAGGCTCAAGGACCTCAAAAGTCAGACAAATTTACTAGAC 1689
QY 185 ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
DB 1690 ACTACTGACATCCAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATAAC 1749
QY 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
DB 1750 AAAACAAATGGGTCTTCAGCCTTACCGGAAATACTTGTGGTTTCTAGATCACCATCTTTA 1809
QY 225 AsnLeuLeuGlnAsnLysSerMet 232
DB 1810 AATTACTTCAAAATAAAAGCATG 1833

RESULT 13
US-10-133-780-2
; Sequence 1, Application US/09728721
; Patent No. US20020061845A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/09/728,721
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: 09/340,620
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1931
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
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; LOCATION: (214) ... (1833)
US-09-728-721-1
Alignment Scores:
Pred. No.: 5,39e-133 Length: 1931
Score: 1176.00 Matches: 226
Percent Similarity: 99.56% Conservative: 1
Best Local Similarity: 99.12% Mismatches: 1
Query Match: 97.51% Indels: 0
DB: 9 Gaps: 0

US-09-771-161A-93 (1-232) x US-09-728-721-1 (1-1931)
QY 5 GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLeuLysMetGluLeuSer 24
DB 1150 AAGTTACAGAGGTTTCAAGTGCCATTACCTATGTGACAGAGAAATGGAATATCT 1209
QY 25 LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis 44
DB 1210 CTGAACATACCTGTAAATCATGGTCCACAGAGGAATCATGTGGATCCTCTCAGCTCCAT 1269
QY 45 GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnAspPhe 64
DB 1270 GAAAAATAGTGGTTCTCTGAAACTTCAAGGTCCTGCCAGCTCTCAAGACAAATGATTTT 1329
QY 65 LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysAspLysLeuHis 84
DB 1330 TTATCTAGAAAAGCTCAAGACTGTATTTTATGAAGCTGCATCATCTGCTGGAATATCAT 1389
QY 85 SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThrThr 104
DB 1390 AGTTGGGATAGCACCATTCTGGATCTCAAGGGCTGCATTCTGTGATCACAAGACCAATT 1449
QY 105 ProCysSerSerAlaIleLeuAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln 124
DB 1450 CCATGCTCTTACAGCAATAATAATCACTCAACTGCAGGAACTCAGAACGTCCTGCAG 1509
QY 125 ProGlyIleAlaGlnTrpIleGlnSerLysArgGluAspIleValGlnLysLeuLysAspAsn 144
DB 1510 CTGGTATAGCCACAGCTGGATCCAGAGCAAAAGGAGACATTTGTGACCAAAATGACA 1569
QY 145 GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuMetLysGlu 164
DB 1570 GAAGCCTGCCTTAACAGTCGCTAGATGCCCTTCTGTCAGGACTTGTATCATGAAAGAG 1629
QY 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
DB 1630 GACTATGAACCTTTAGTACCAAGGCTCAAGGACCTCAAAAGTCAGACAAATTTACTAGAC 1689
QY 185 ThrThrAspIleGlnGlyGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
DB 1690 ACTACTGACATCCAGGAGAGAAATTTGCCAAAGTTATAGTACAAAATTTGAAAGATAAC 1749
QY 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
DB 1750 AAAACAAATGGGTCTTCAGCCTTACCGGAAATACTTGTGGTTTCTAGATCACCATCTTTA 1809
QY 225 AsnLeuLeuGlnAsnLysSerMet 232
DB 1810 AATTACTTCAAAATAAAAGCATG 1833

RESULT 13
US-10-133-780-2
; Sequence 2, Application US/10133780
; Publication No. US20020123115A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: GENES ENCODING CASPASE RECRUITMENT
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
```

CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows 95
 SOFTWARE: FastSeq for Windows Version 2.0b
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/133,780
 FILING DATE: 26-Apr-2002
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/019,942
 FILING DATE: 06-FEB-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Meiklejohn, Ph.D., Anita L.
 REGISTRATION NUMBER: 35,283
 REFERENCE/DOCKET NUMBER: 07334/068001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5070
 TELEFAX: 617/542-8906
 TELEX: 200154
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1931 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-10-133-780-2

Alignment Scores:
 Pred. No.: 5,39e-133 Length: 1931
 Score: 1176.00 Matches: 226
 Percent Similarity: 99.56% Conservative: 1
 Best Local Similarity: 99.12% Mismatches: 0
 Query Match: 97.51% Indels: 0
 DB: 13 Gaps: 0

US-09-771-161A-93 (1-232) x US-10-133-780-2 (1-1931)

QY	5	GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysLysMetGluLeuSer	24
DB	1150	AAGTTACAGAGTGTTTCAAGTGCCATTACCTATGTGACAGAGAGAAATGGAATTATCT	1209
QY	25	LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis	44
DB	1210	CTGAACATACCTGTAATCATGGTCCACAAGAGGAATCATGTGGATCCTCTCAGCTCCAT	1269
QY	45	GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnApphe	64
DB	1270	GAAATAGTGGTTCCTCGAACTTCAAGGTCCTCGCAGCTCTCAAGACAATGATTTT	1329
QY	65	LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis	84
DB	1330	TTATCTAGAAAGCTCAAGACTGTTATTTATGAAGTGCATCATCTCTCGAATATCAC	1389
QY	85	SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThr	104
DB	1390	AGTTGGGATAGCACCATTCTGGATCTCAAGGGCTGCATTCTGTGATCAAGACCAT	1449
QY	105	ProCysSerSerAlaIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln	124
DB	1450	CCATGCTCTTCAGCAATTAATCACTCTCAACTCGAGGAATCTCAGAACCTCTGCAG	1509
QY	125	ProGlyIleAlaGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr	144
DB	1510	CTGTGATAGCCAGCAGTGGATCCAGAGCAAAAGGGAGACATTGTGAACCAATGACA	1569
QY	145	GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu	164

Db 1570 GAAGCCTGCCTTAACCAAGTCGTAGATGCCCTTCTGTCCAGGGAGCTTGATCATGAAGAG 1629
 QY 165 AspTyrGluLeuValSerThrLysProThrArgThrSerLysValArgGlnLeuLeuAsp 184
 Db 1630 GACTATGAACCTTTGTAGTACCAAGCCTTACAAGGACCTCAAAAGTCAGACAACTTACTAGAC 1689
 QY 185 ThrThrAspIleGlnGlyGluGluPheAlaLysValIleValGlnLysLeuLysAspAsn 204
 Db 1690 ACTACTGCATCCCAAGGAGAGAAATTTGCCAAAGTTTATAGTACAAAAATTTGAAAGATAAC 1749
 QY 205 LysGlnMetGlyLeuGlnProTyrProGluIleLeuValValSerArgSerProSerLeu 224
 Db 1750 AAACAATGGGTCTTCAGCCTTACCCGGAATACTTGTGGTTTCTAGATCACCATCTTTTA 1809
 QY 225 AsnLeuLeuGlnAsnLysSerMet 232
 Db 1810 AATTACTTCAAAATAAAAGCATG 1833
 RESULT 14
 US-10-105-931-1
 ; Sequence 1, Application US/10105931
 ; Publication No. US20020150987A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bertin, John
 ; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED
 ; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
 ; FILE REFERENCE: 07334-076001
 ; CURRENT APPLICATION NUMBER: US/10/105,931
 ; CURRENT FILING DATE: 2002-03-25
 ; PRIOR APPLICATION NUMBER: 09/099,041
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 09/019,942
 ; PRIOR FILING DATE: 1998-02-06
 ; NUMBER OF SEQ ID NOS: 37
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 1931
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (214)...(1833)
 US-10-105-931-1
 Alignment Scores:
 Pred. No.: 5,39e-133 Length: 1931
 Score: 1176.00 Matches: 226
 Percent Similarity: 99.56% Conservative: 1
 Best Local Similarity: 99.12% Mismatches: 1
 Query Match: 97.51% Indels: 0
 DB: 13 Gaps: 0

US-09-771-161A-93 (1-232) x US-10-105-931-1 (1-1931)

QY	5	GlnLeuGlnSerValSerSerAlaIleHisLeuCysAspLysLysLysMetGluLeuSer	24
DB	1150	AAGTTACAGAGTGTTTCAAGTGCCATTACCTATGTGACAGAGAGAAATGGAATTATCT	1209
QY	25	LeuAsnIleProValAsnHisGlyProGlnGluSerCysGlySerSerGlnLeuHis	44
DB	1210	CTGAACATACCTGTAATCATGGTCCACAAGAGGAATCATGTGGATCCTCTCAGCTCCAT	1269
QY	45	GluAsnSerGlySerProGluThrSerArgSerLeuProAlaProGlnAspAsnApphe	64
DB	1270	GAAATAGTGGTTCCTCGAACTTCAAGGTCCTCGCAGCTCTCAAGACAATGATTTT	1329
QY	65	LeuSerArgLysAlaGlnAspCysTyrPheMetLysLeuHisCysProGlyAsnHis	84
DB	1330	TTATCTAGAAAGCTCAAGACTGTTATTTATGAAGTGCATCATCTCTCGAATATCAC	1389
QY	85	SerTrpAspSerThrIleSerGlySerGlnArgAlaAlaPheCysAspHisLysThr	104
DB	1390	AGTTGGGATAGCACCATTCTGGATCTCAAGGGCTGCATTCTGTGATCAAGACCAT	1449
QY	105	ProCysSerSerAlaIleAsnProLeuSerThrAlaGlyAsnSerGluArgLeuGln	124
DB	1450	CCATGCTCTTCAGCAATTAATCACTCTCAACTCGAGGAATCTCAGAACCTCTGCAG	1509
QY	125	ProGlyIleAlaGlnTrpIleGlnSerLysArgGluAspIleValAsnGlnMetThr	144
DB	1510	CTGTGATAGCCAGCAGTGGATCCAGAGCAAAAGGGAGACATTGTGAACCAATGACA	1569
QY	145	GluAlaCysLeuAsnGlnSerLeuAspAlaLeuLeuSerArgAspLeuIleMetLysGlu	164

